

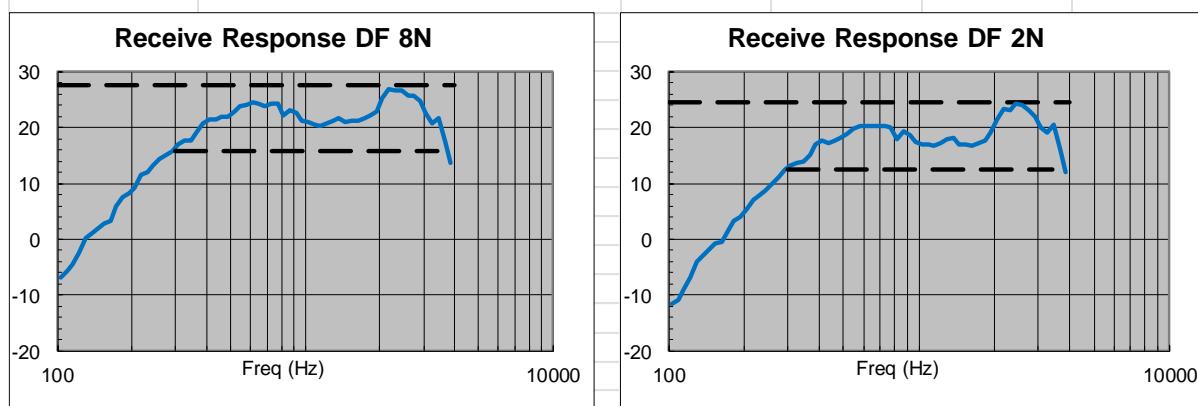
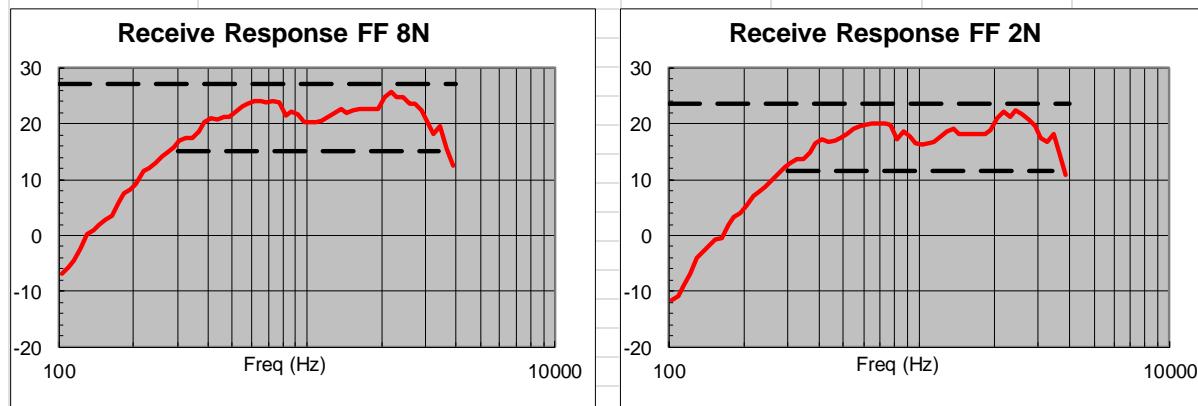
LTE Band 25 EVS-NB: 9.6 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B25 EVS-NB
Bandwidth	Narrowband
Test Date:	5/25/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.37 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.81 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.17 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.23 dB	Floating Limits	PASS	



Output

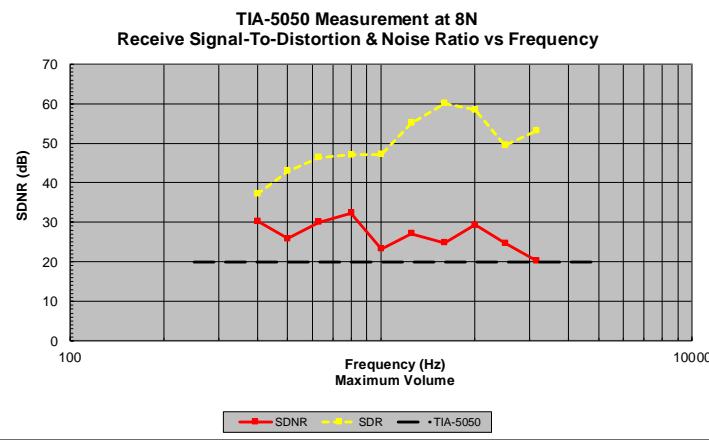
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	92.27 dB	info only		
	Recv conversational gain 8N	22.27 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.38 dB	info only		
	Recv conversational gain 2N	18.38 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.3 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.65 dB	Absolute Limits	PASS	

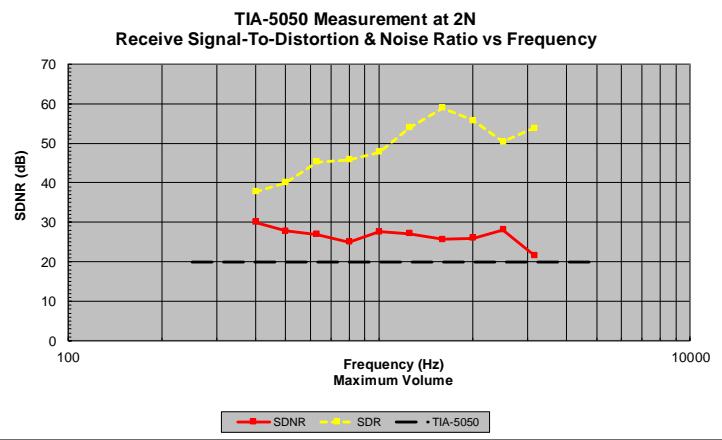
LTE Band 25 EVS-NB: 9.6 kbps 1,0 RB QPSK Distortion Report

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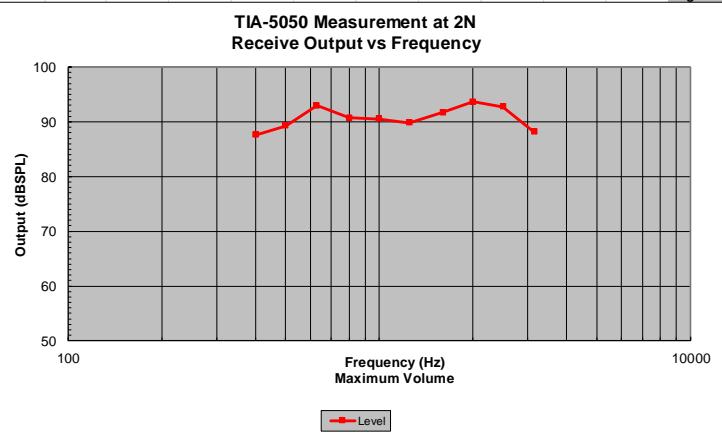
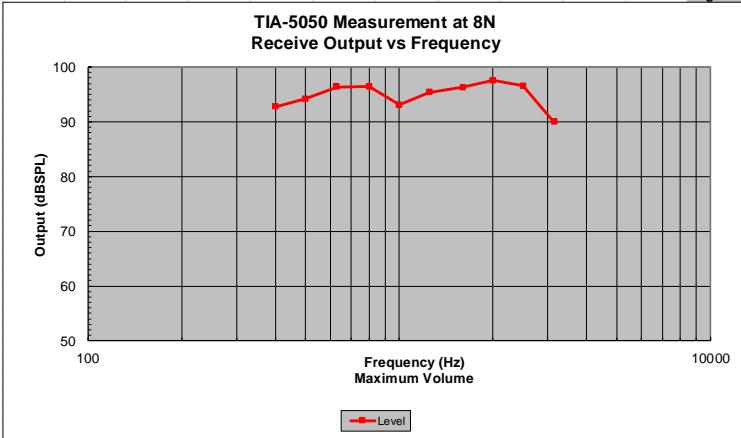
Test	Margin	Limits	Result
Recv PN-SDNR 8N	0.3 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 9.6 kbps			

5/25/2024 11:43



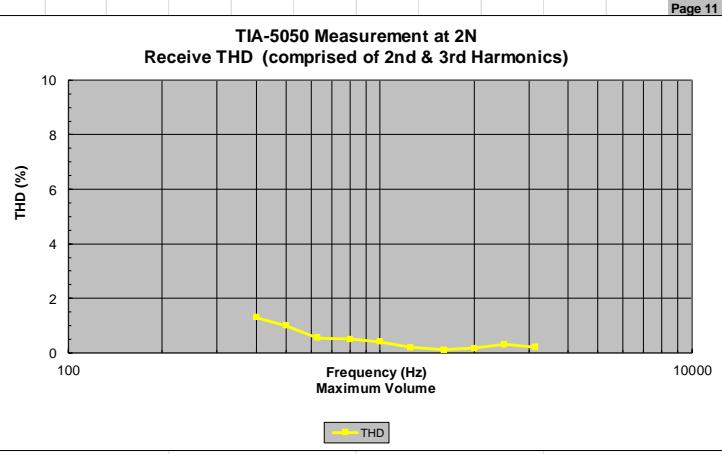
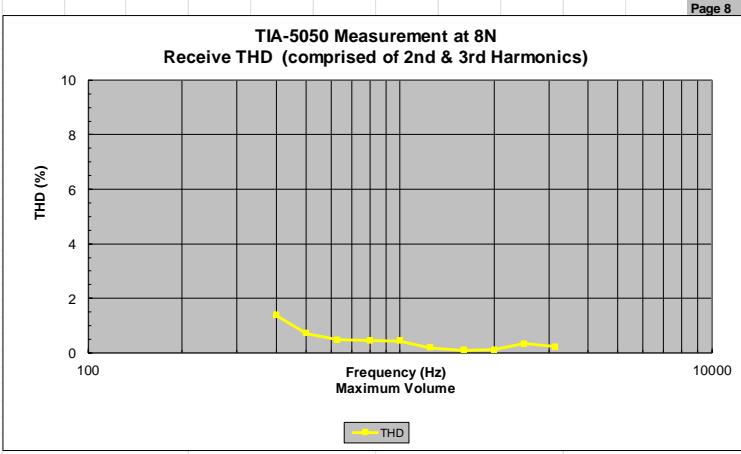
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	1.65 dB	Absolute Limits	PASS	5/25/2024 11:43
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 9.6 kbps				

5/25/2024 11:43



Test Date	
5/25/2024 11:43	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa
Comments: 9.6 kbps	

Test Date	
5/25/2024 11:43	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa
Comments: 9.6 kbps	



Test Date	
5/25/2024 11:43	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa
Comments: 9.6 kbps	

Test Date	
5/25/2024 11:43	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa
Comments: 9.6 kbps	

LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

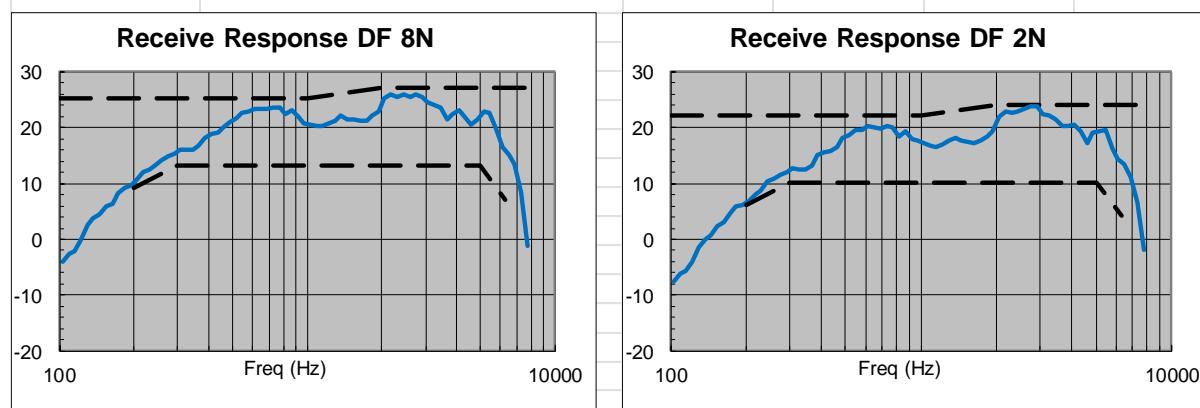
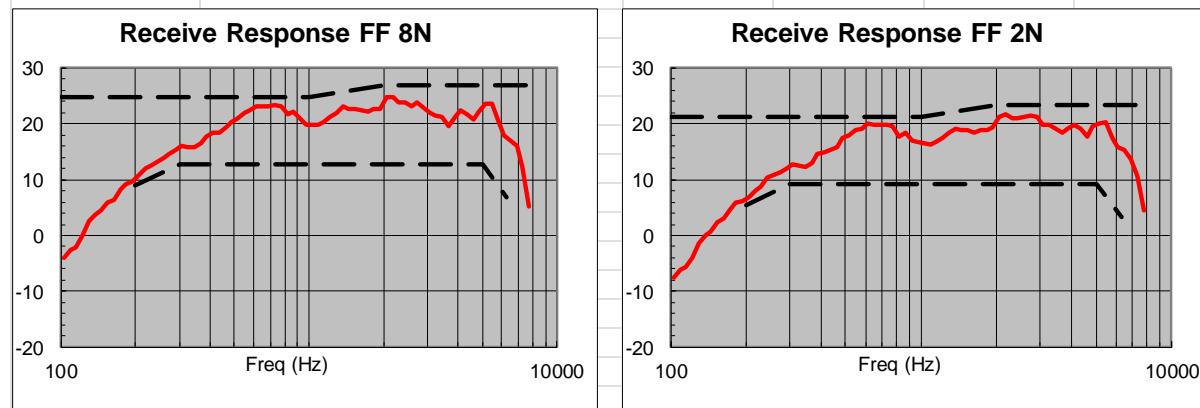
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B25 EVS-WB
Bandwidth	Wideband
Test Date:	5/25/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.43 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.1 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.26 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.4 dB	Floating Limits	PASS	



Output

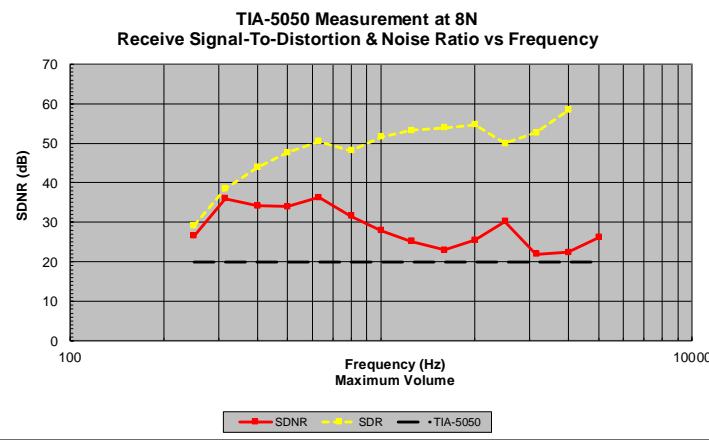
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.41 dB	info only		
	Recv conversational gain 8N	21.41 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.1 dB	info only		
	Recv conversational gain 2N	18.1 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.9 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.63 dB	Absolute Limits	PASS	

LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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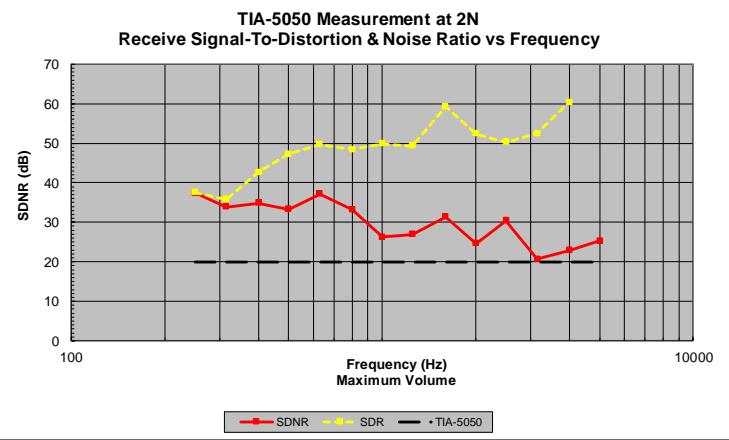


Test	Margin	Limits	Result
Recv PN-SDNR 8N	1.9 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

5/25/2024 12:28

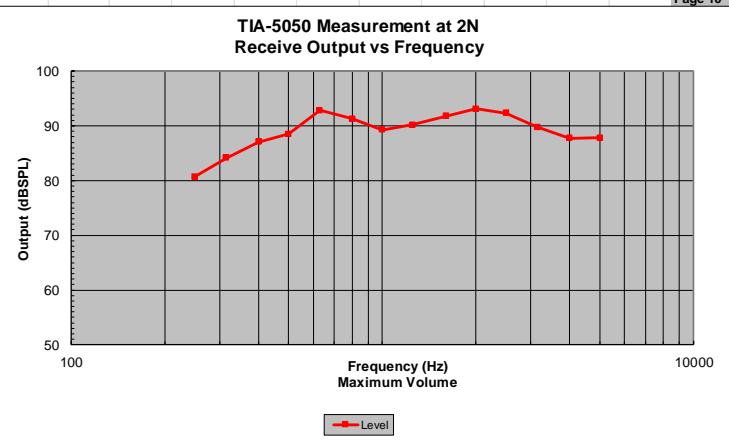
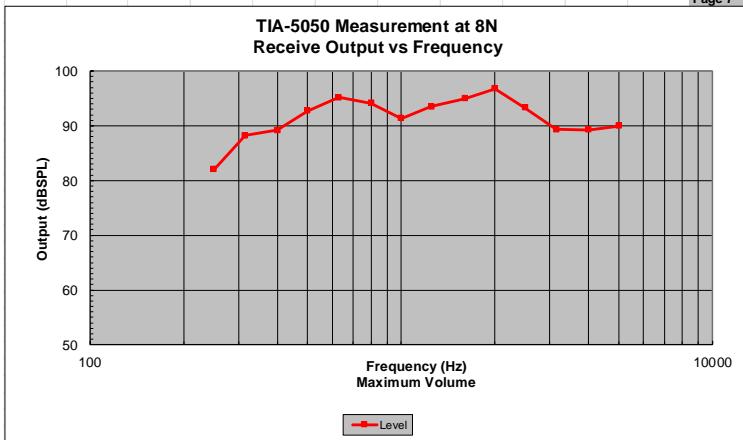
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.63 dB	Absolute Limits	PASS	5/25/2024 12:28
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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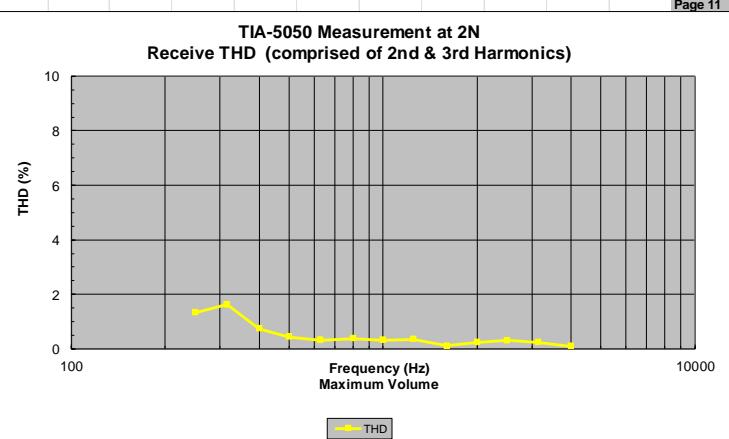
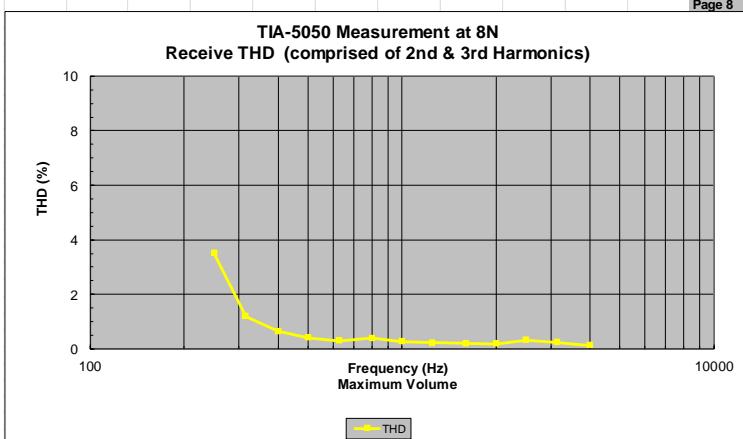
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.63 dB	Absolute Limits	PASS	5/25/2024 12:28
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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Test Date	
5/25/2024 12:28	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa
Comments: 24.4 kbps	

Test Date	
5/25/2024 12:28	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa
Comments: 24.4 kbps	



Test Date	
5/25/2024 12:28	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa
Comments: 24.4 kbps	

Test Date	
5/25/2024 12:28	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa
Comments: 24.4 kbps	

LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB QPSK
Conversational Gain & Frequency Response Report

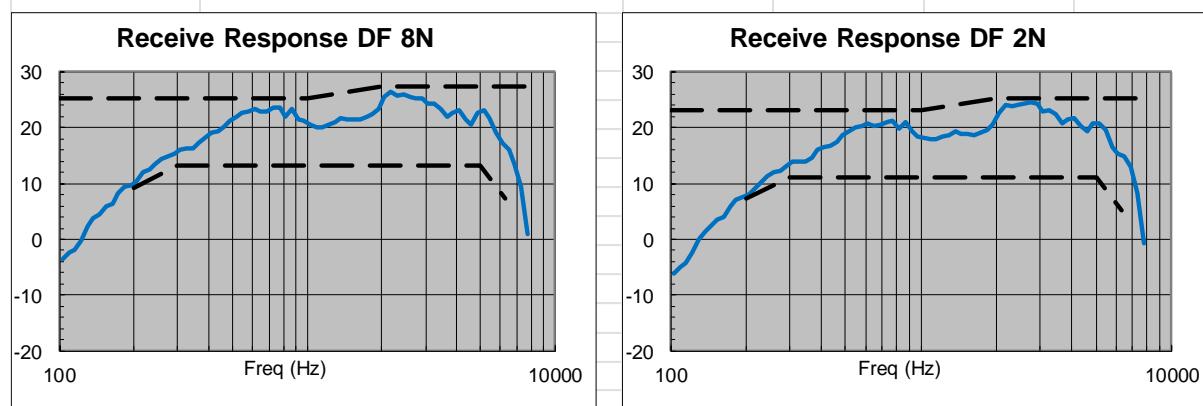
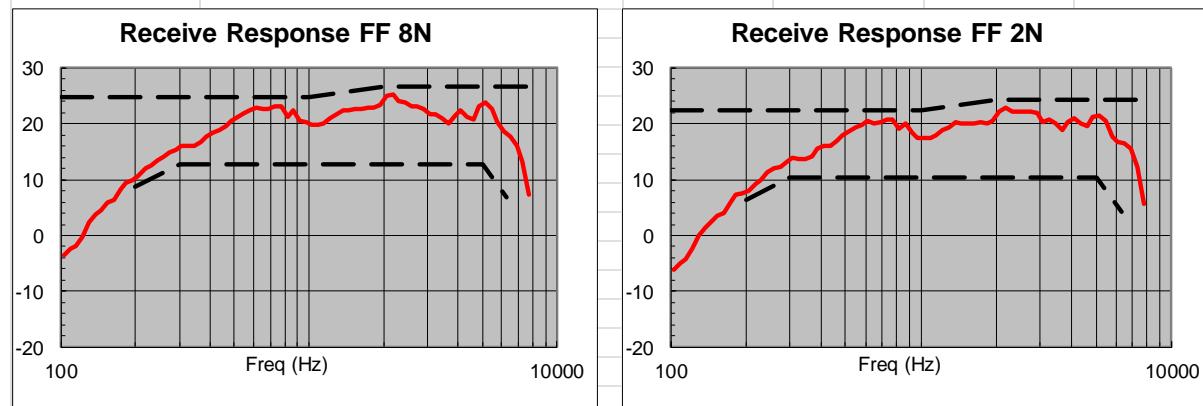
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B25 EVS-WB 100
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.48 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.9 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.49 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.6 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.4 dB	info only		
	Recv conversational gain 8N	21.4 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.96 dB	info only		
	Recv conversational gain 2N	18.96 dB	6.00	PASS	

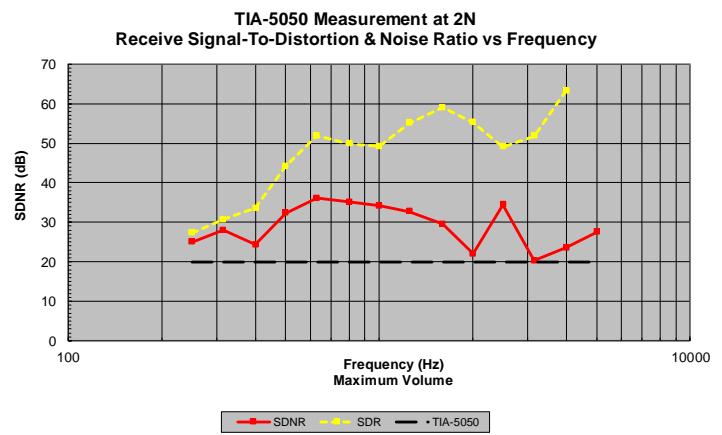
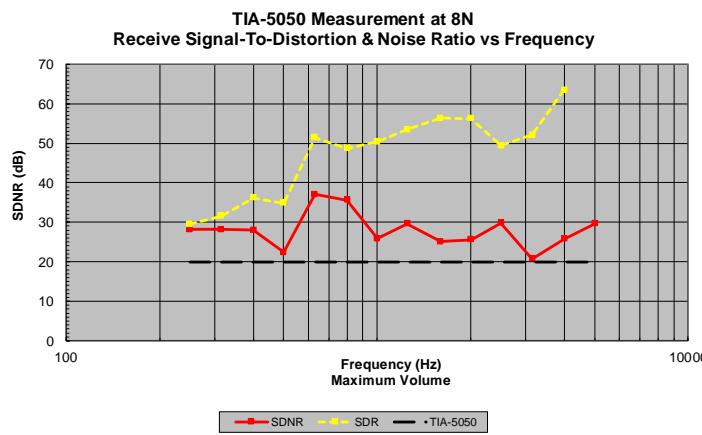
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.8 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.29 dB	Absolute Limits	PASS	

LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB QPSK Distortion Report

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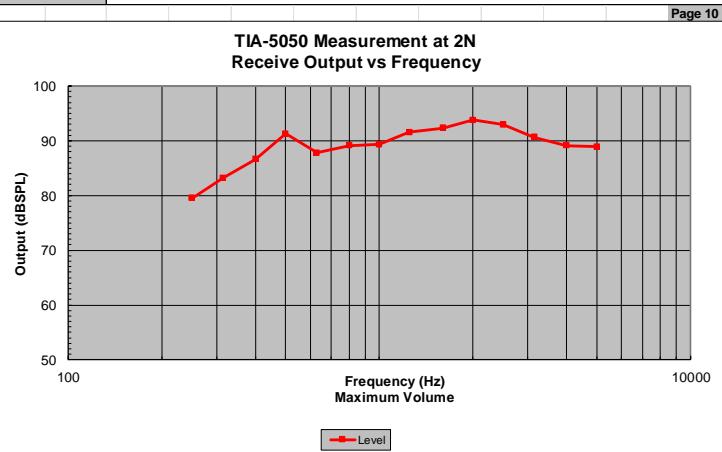
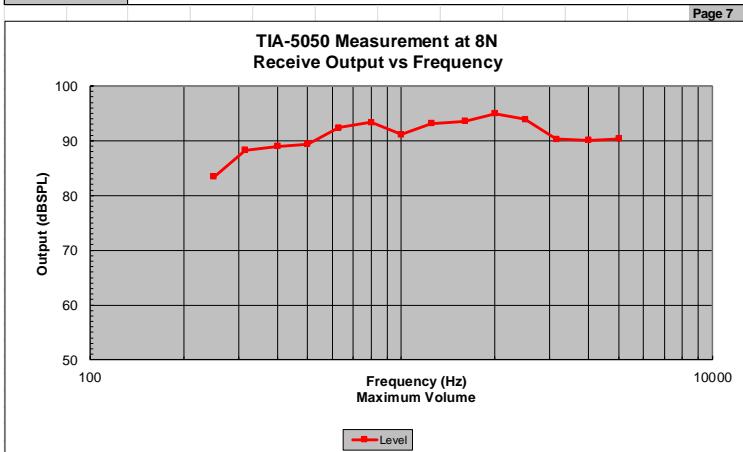


Test	Margin	Limits	Result
Recv PN-SDNR 8N	0.8 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test Date
5/28/2024 8:01

Test	Margin	Limits	Result
Recv PN-SDNR 2N	0.29 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test Date
5/28/2024 8:01



Test Date
5/28/2024 8:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

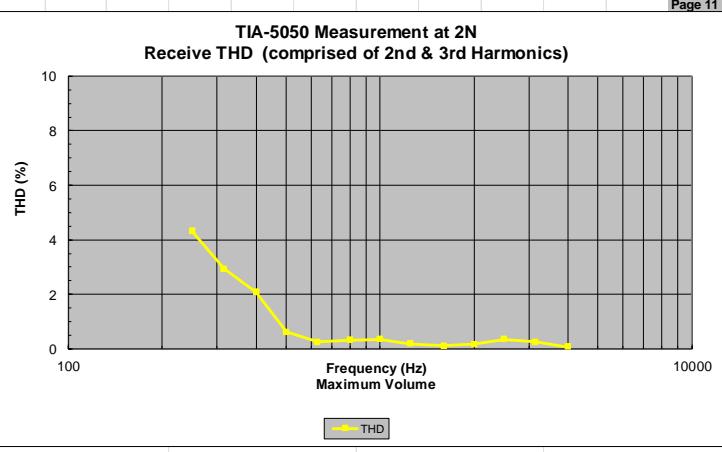
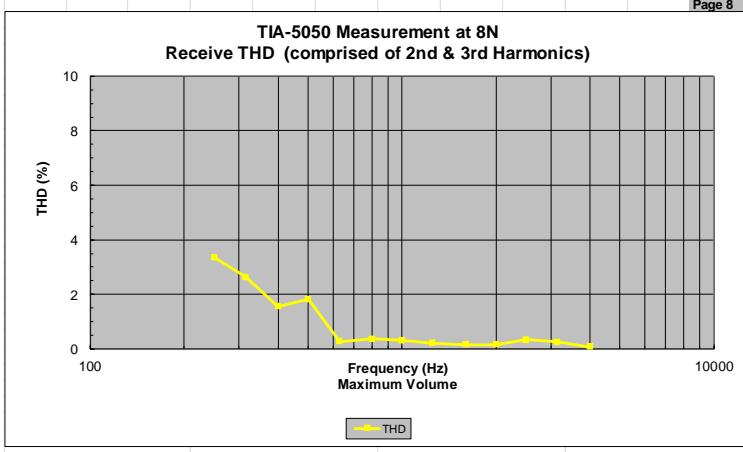
Test Date
5/28/2024 8:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

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Test Date
5/28/2024 8:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 8:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

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LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB 16QAM
Conversational Gain & Frequency Response Report

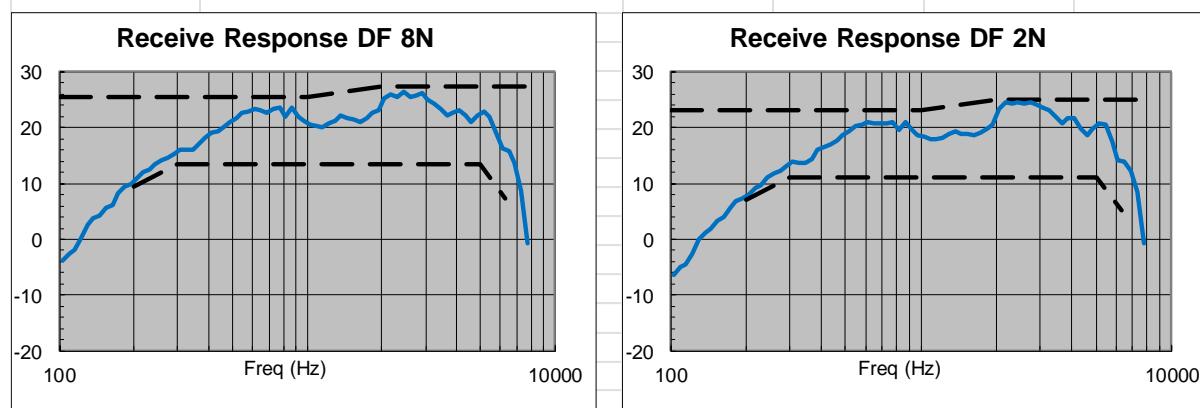
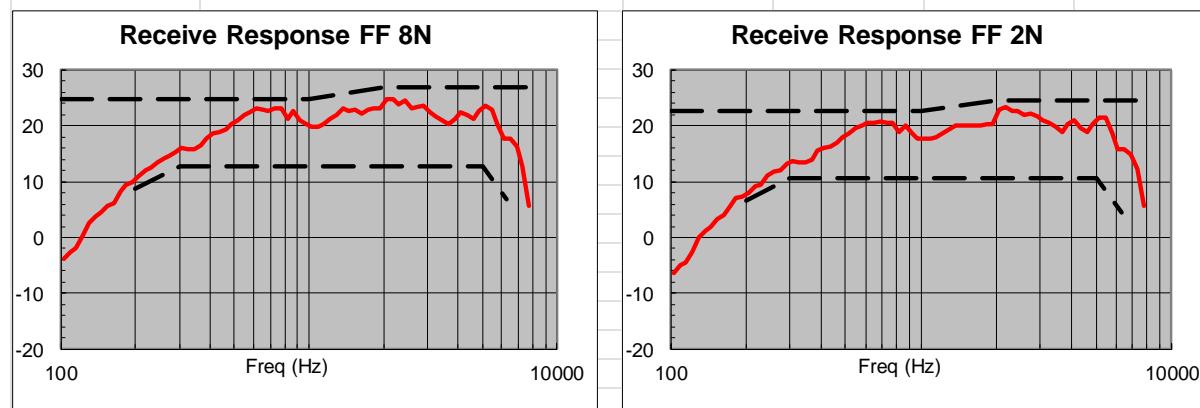
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B25 EVS-WB 16
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.6 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.9 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.14 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.5 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.4 dB	info only		
	Recv conversational gain 8N	21.4 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.06 dB	info only		
	Recv conversational gain 2N	19.06 dB	6.00	PASS	

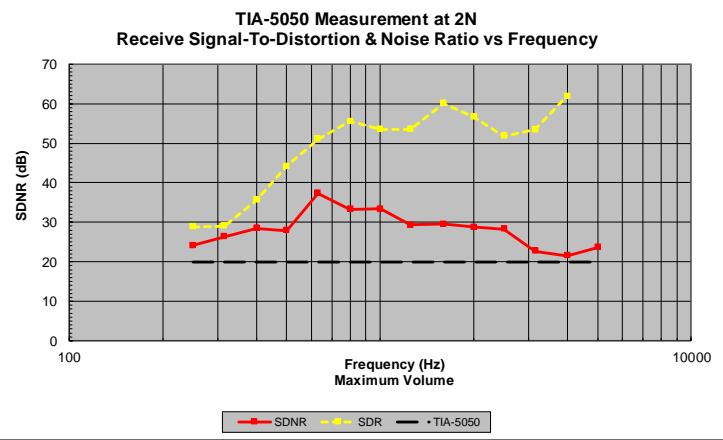
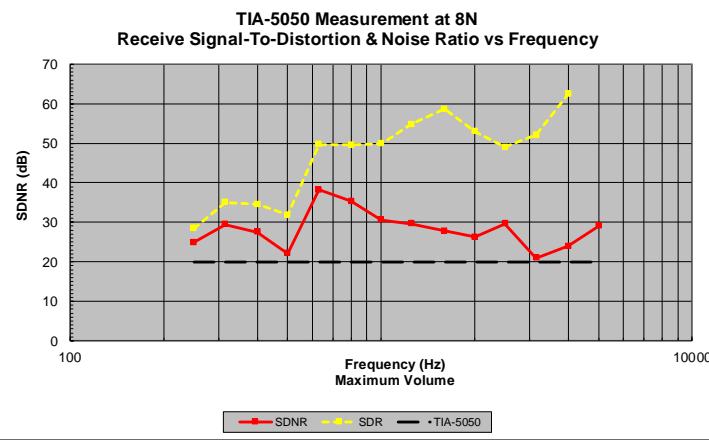
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.9 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.51 dB	Absolute Limits	PASS	

LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB 16QAM Distortion Report

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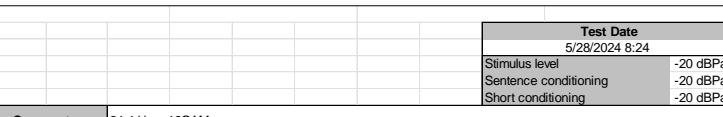
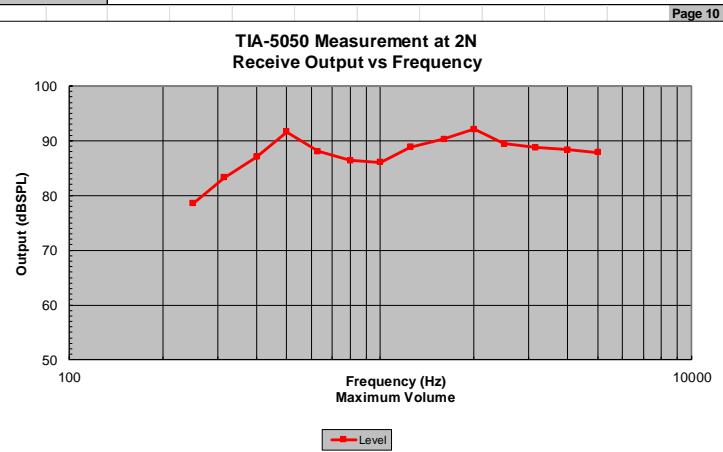


Test	Margin	Limits	Result
Recv PN-SDNR 8N	0.9 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps 16QAM			

Test	Margin	Limits	Result
Recv PN-SDNR 2N	1.51 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps 16QAM			

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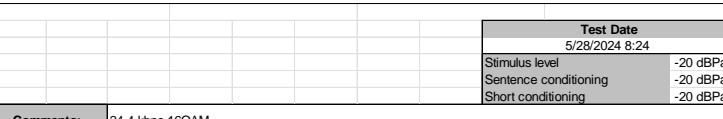
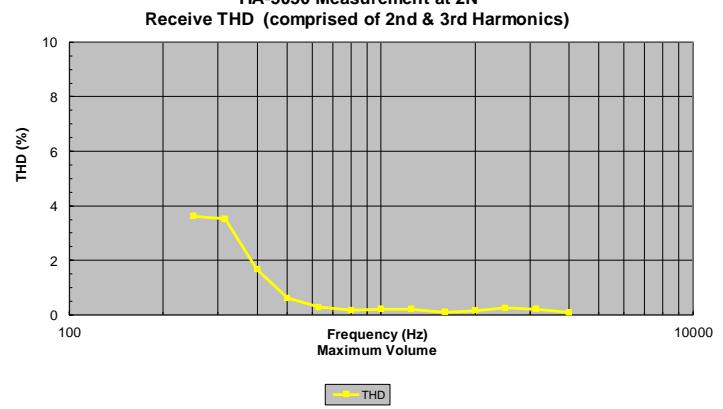


Test Date
5/28/2024 8:24
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 8:24
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Test Date
5/28/2024 8:24
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 8:24
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Comments:
24.4 kbps 16QAM

Comments:
24.4 kbps 16QAM

LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB 64QAM
Conversational Gain & Frequency Response Report

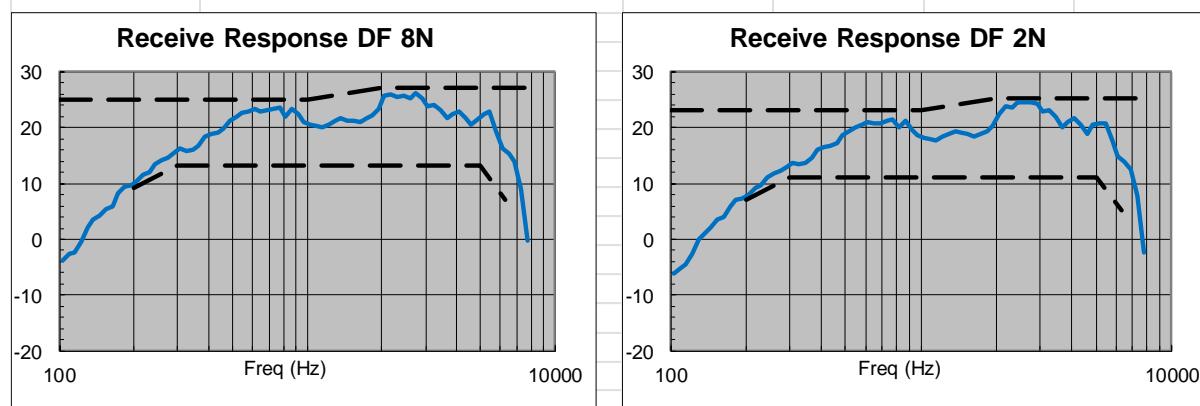
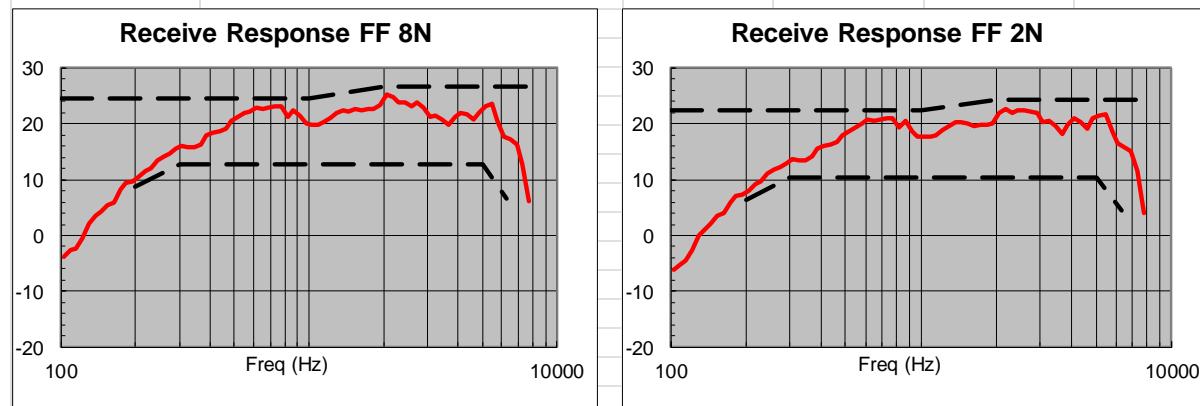
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B25 EVS-WB 64
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.45 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.9 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.4 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.6 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.33 dB	info only		
	Recv conversational gain 8N	21.33 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.02 dB	info only		
	Recv conversational gain 2N	19.02 dB	6.00	PASS	

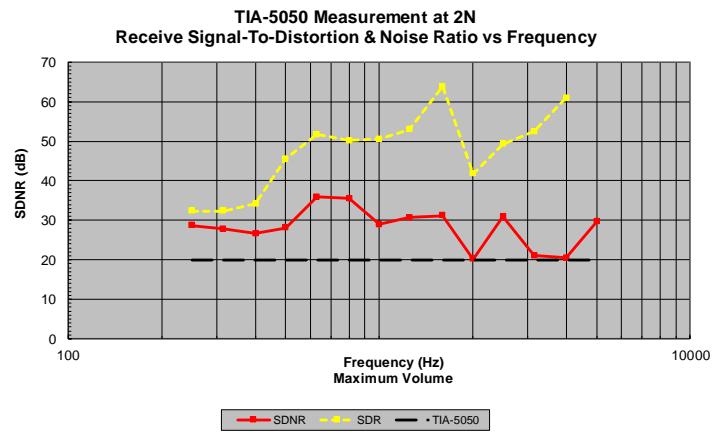
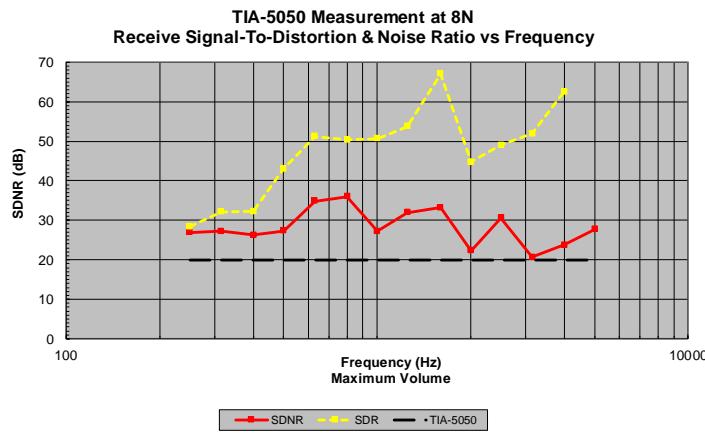
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.7 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.17 dB	Absolute Limits	PASS	

LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB 64QAM Distortion Report

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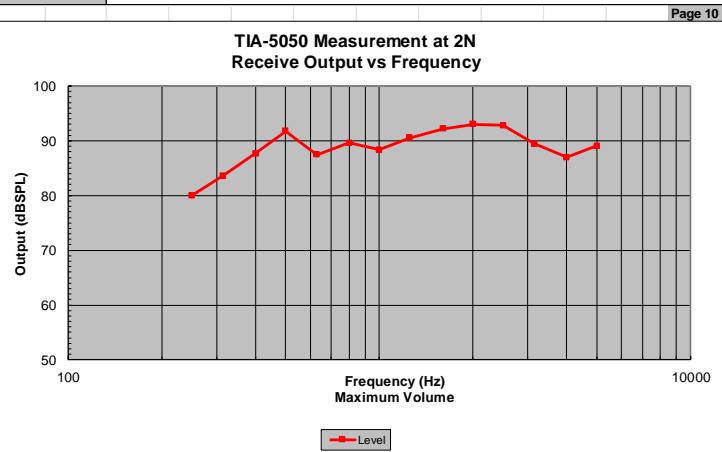
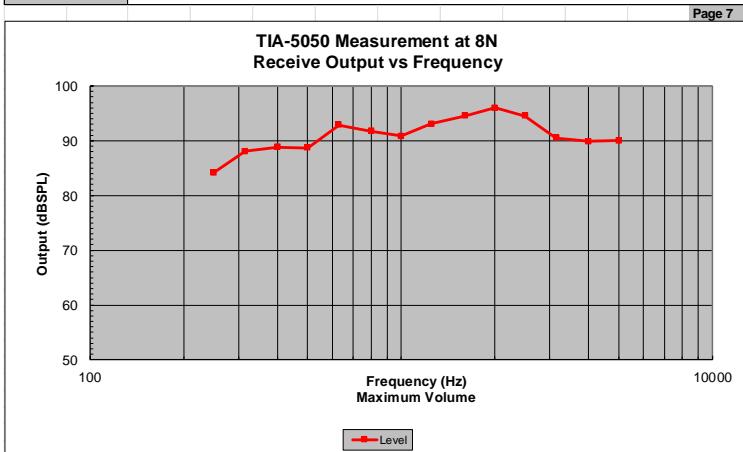


Test	Margin	Limits	Result
Recv PN-SDNR 8N	0.7 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps 64QAM			

Test Date
5/28/2024 8:35

Test	Margin	Limits	Result
Recv PN-SDNR 2N	0.17 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps 64QAM			

Test Date
5/28/2024 8:35



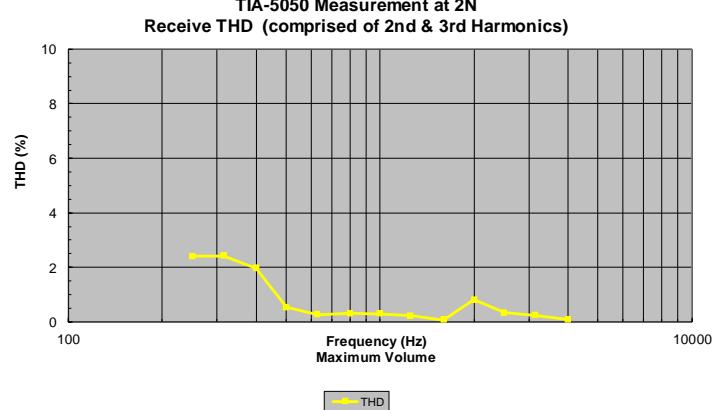
Test Date
5/28/2024 8:35
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 8:35
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps 64QAM

Comments: 24.4 kbps 64QAM

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Test Date
5/28/2024 8:35
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps 64QAM

Comments: 24.4 kbps 64QAM

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**LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB 256QAM
Conversational Gain & Frequency Response Report**

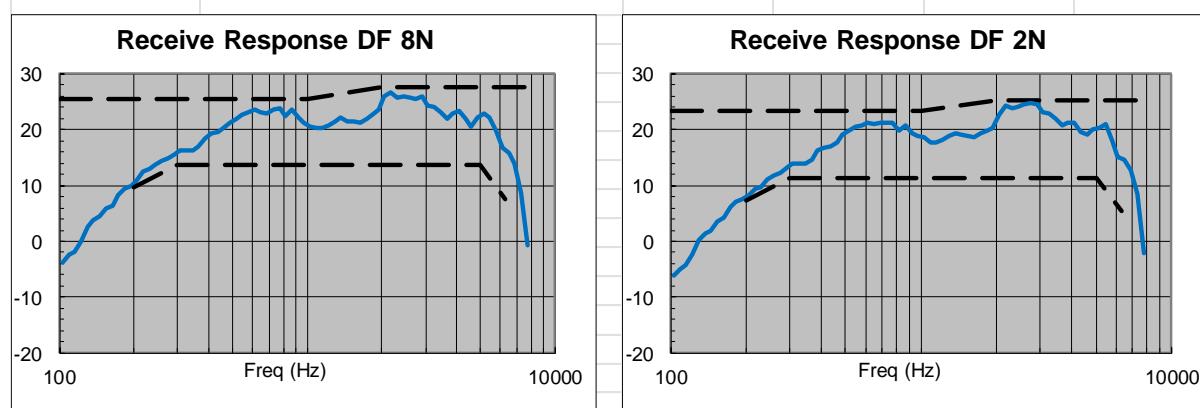
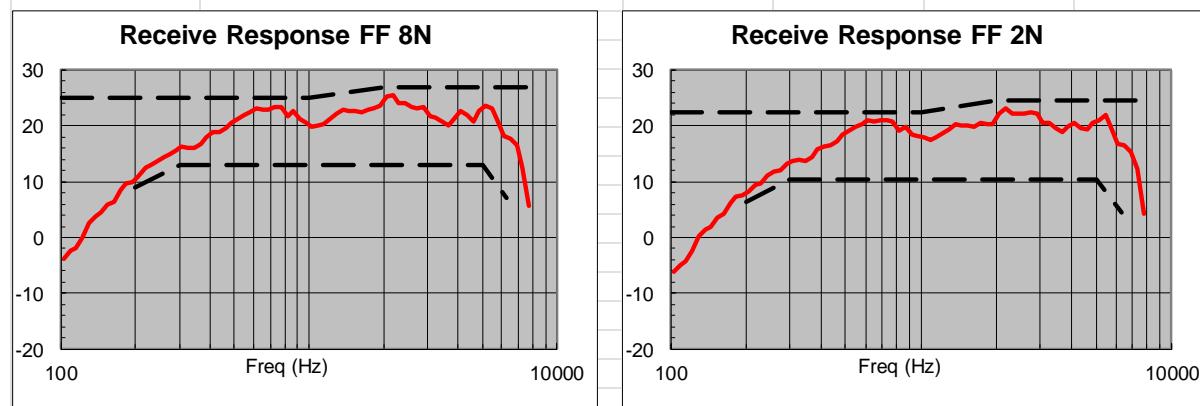
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B25 EVS-WB 256
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.43 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.8 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.46 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.6 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.53 dB	info only		
	Recv conversational gain 8N	21.53 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.25 dB	info only		
	Recv conversational gain 2N	19.25 dB	6.00	PASS	

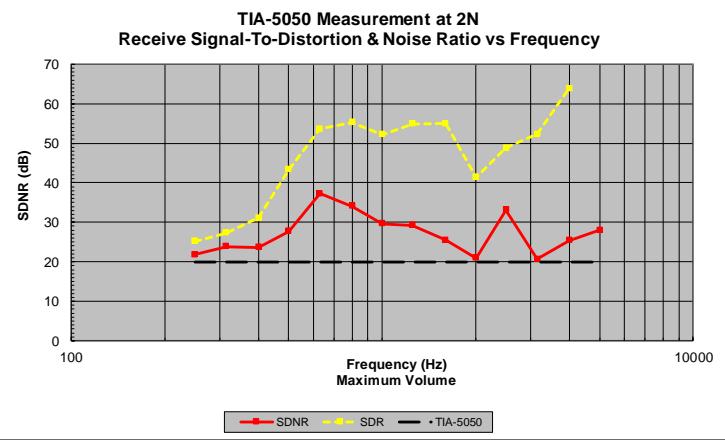
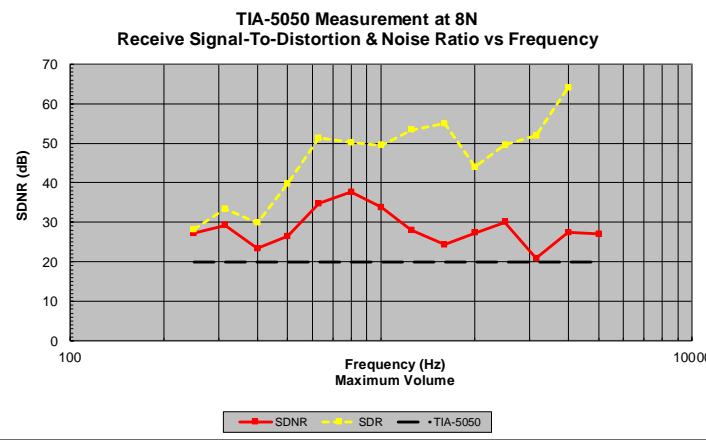
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.9 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.63 dB	Absolute Limits	PASS	

LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB 256QAM Distortion Report

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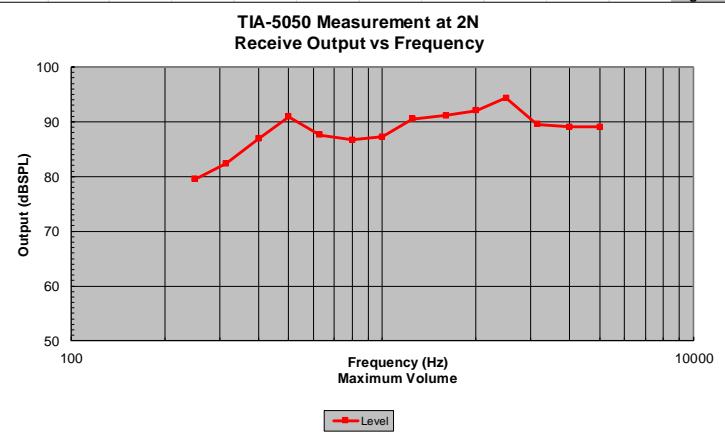


Test	Margin	Limits	Result
Recv PN-SDNR 8N	0.9 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps 256 QAM			

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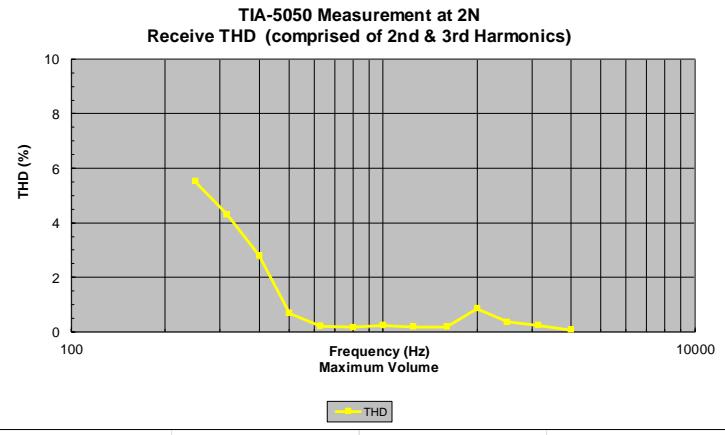
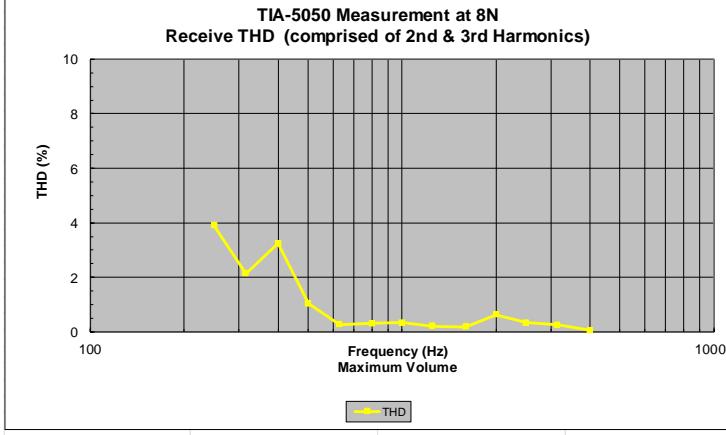
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.63 dB	Absolute Limits	PASS	5/28/2024 9:18
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps 256 QAM				

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Comments: 24.4 kbps 256 QAM

Comments: 24.4 kbps 256 QAM

LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB 1.4 MHz
Conversational Gain & Frequency Response Report

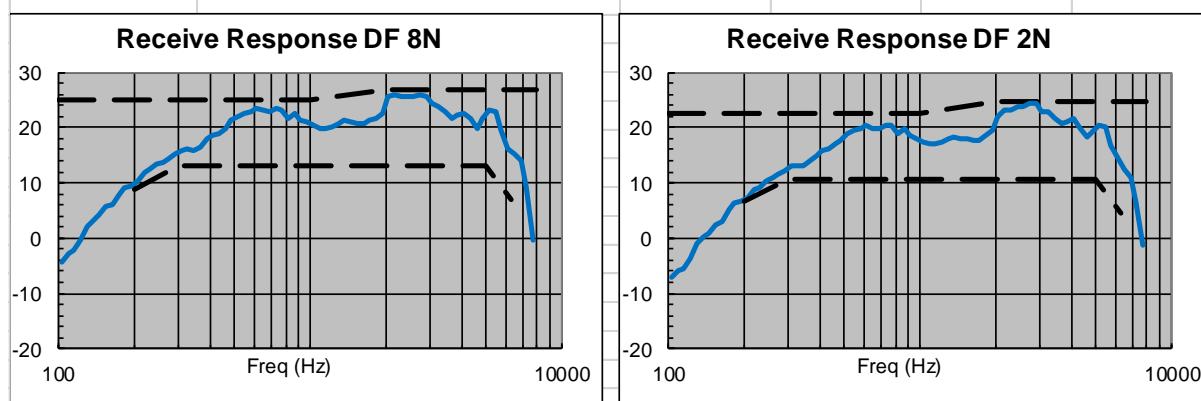
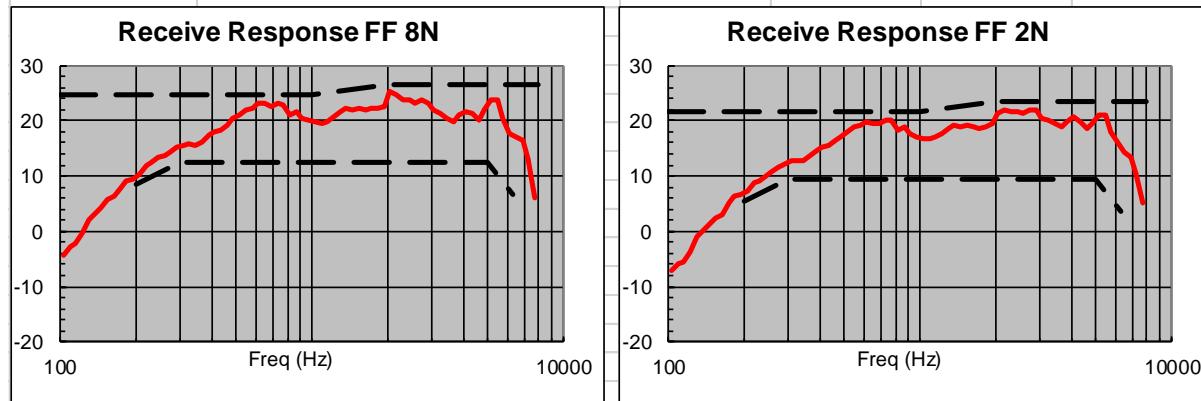
TIA-5050 Receive Volume Control Measurements

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Device Under Test:	LTE B25 EVS-WB 1.4
Bandwidth	Wideband
Test Date:	5/30/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.41 dB	Floating Limits	PASS	
	Recv resp DF 8N	1 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.42 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.3 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.2 dB	info only		
	Recv conversational gain 8N	21.29 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.27 dB	info only		
	Recv conversational gain 2N	18.27 dB	6.00	PASS	

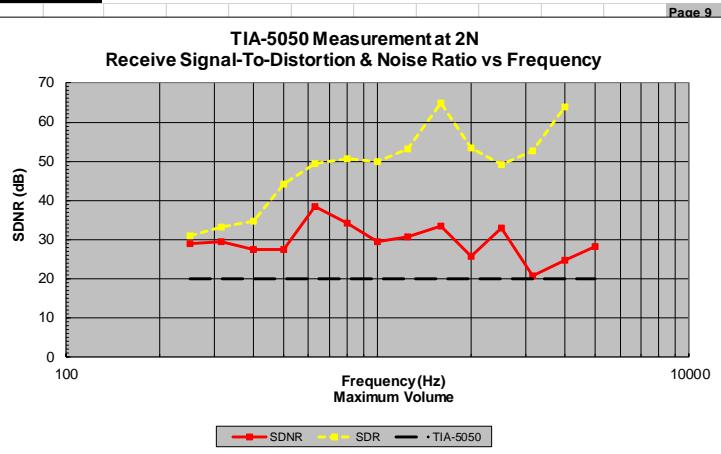
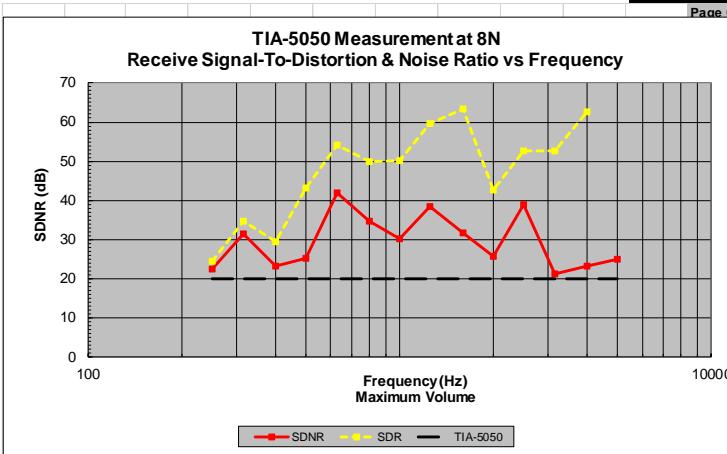
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.2 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.7 dB	Absolute Limits	PASS	

LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB 1.4 MHz Distortion Report

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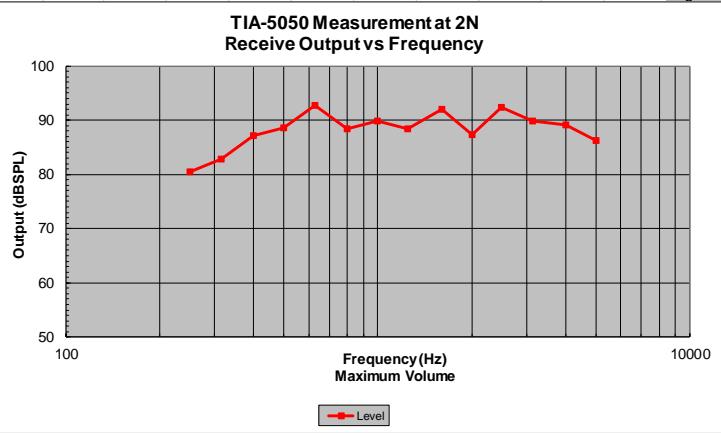
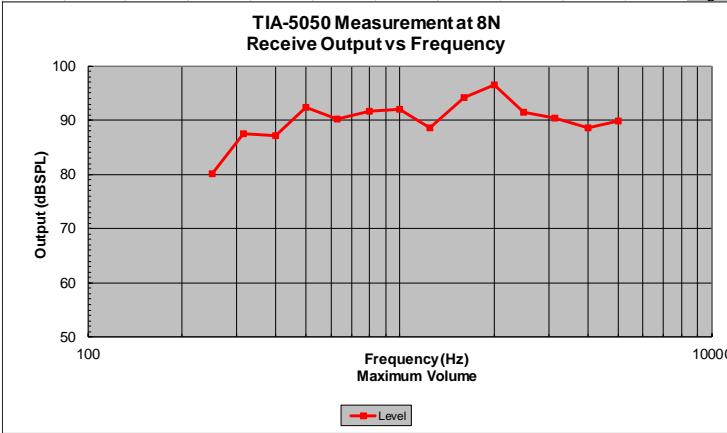


Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	1.2 dB	Absolute Limits	PASS	5/30/2024 4:11
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
Short conditioning -20 dBPa				
Comments:	24.4 kbps			

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.7 dB	Absolute Limits	PASS	5/30/2024 4:11
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
Short conditioning -20 dBPa				
Comments:	24.4 kbps			

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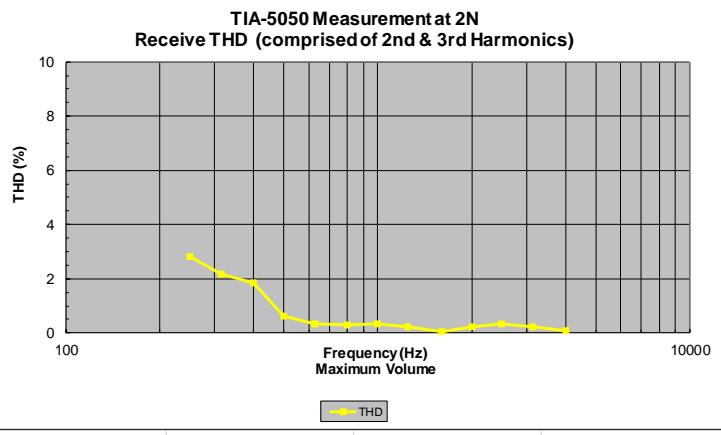
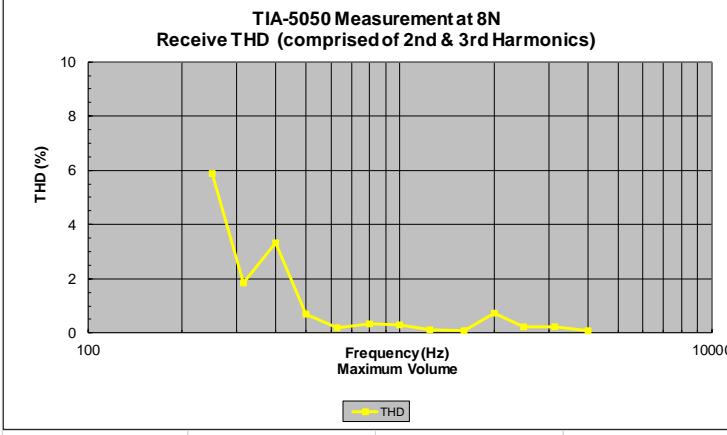


Comments:	24.4 kbps	Test Date
		5/30/2024 4:11
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

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Comments:	24.4 kbps	Test Date
		5/30/2024 4:11
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

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Comments:	24.4 kbps	Test Date
		5/30/2024 4:11
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

Comments:	24.4 kbps	Test Date
		5/30/2024 4:11
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

LTE Band 7 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

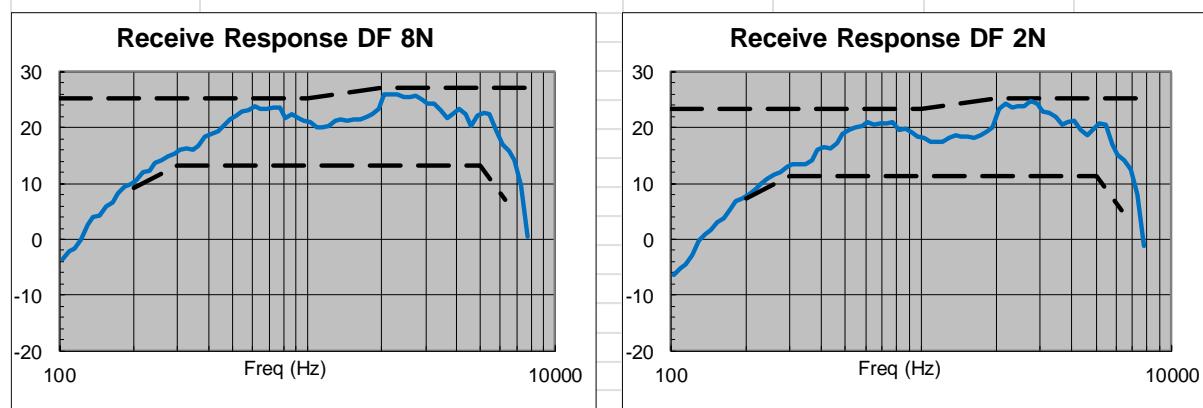
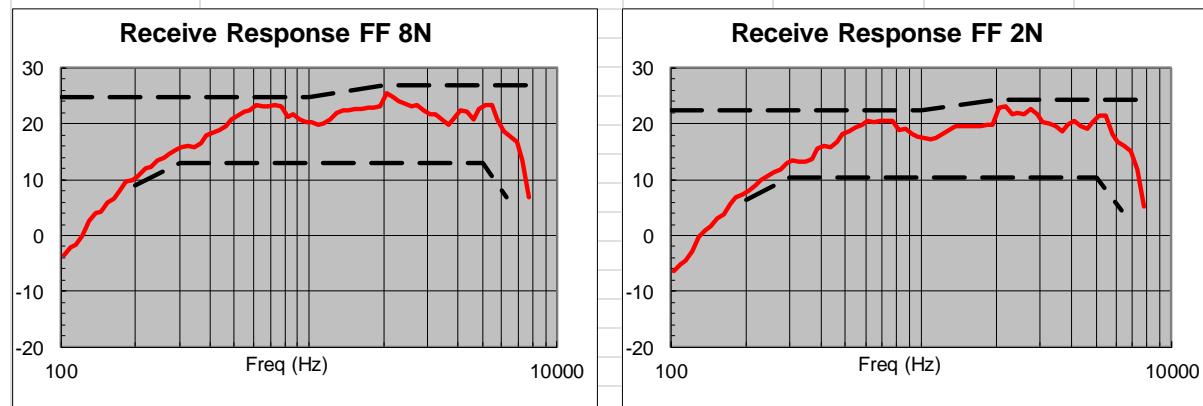
TIA-5050 Receive Volume Control Measurements

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Device Under Test:	LTE B7 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.42 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.1 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.3 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.4 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.52 dB	info only		
	Recv conversational gain 8N	21.52 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.86 dB	info only		
	Recv conversational gain 2N	18.86 dB	6.00	PASS	

Distortion

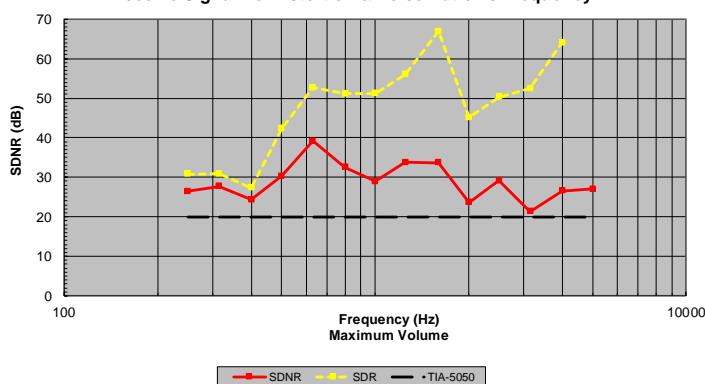
TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.3 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.47 dB	Absolute Limits	PASS	

LTE Band 7 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

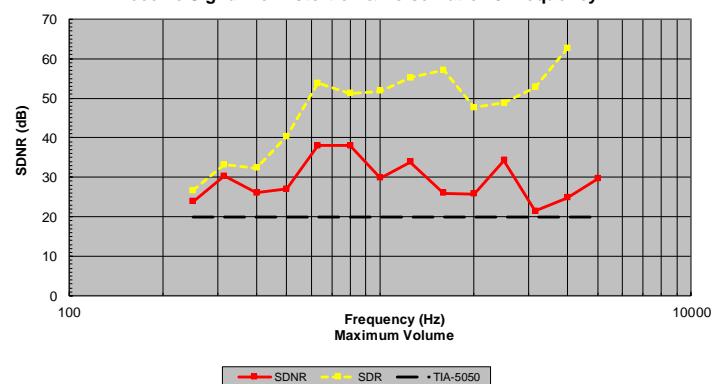
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TIA-5050 Measurement at 8N Receive Signal-To-Distortion & Noise Ratio vs Frequency



TIA-5050 Measurement at 2N Receive Signal-To-Distortion & Noise Ratio vs Frequency



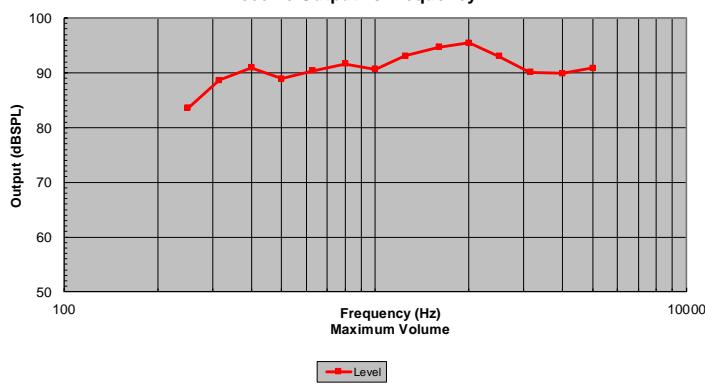
Test	Margin	Limits	Result
Recv PN-SDNR 8N	1.3 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

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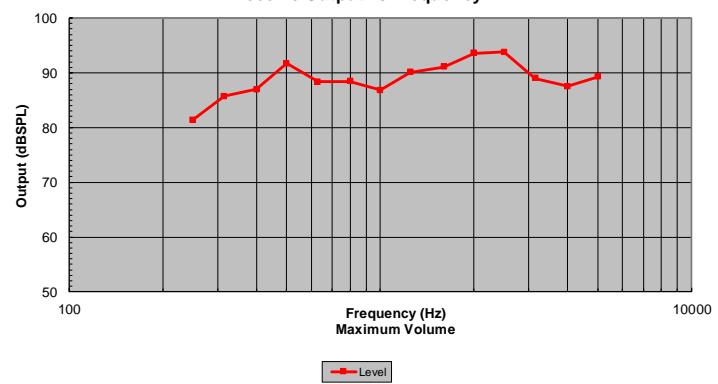
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	1.47 dB	Absolute Limits	PASS	5/28/2024 11:32
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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TIA-5050 Measurement at 8N Receive Output vs Frequency



TIA-5050 Measurement at 2N Receive Output vs Frequency

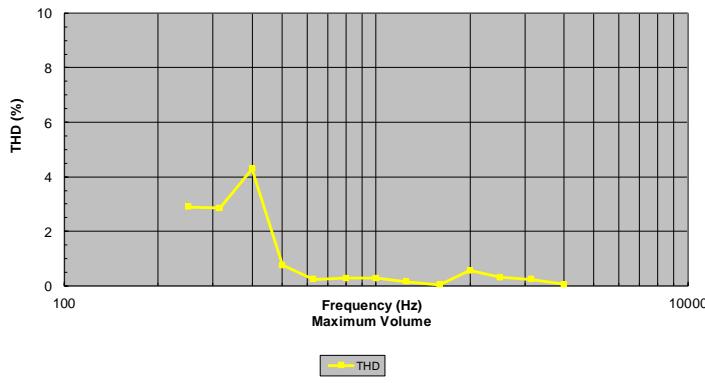


Test Date
5/28/2024 11:32
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

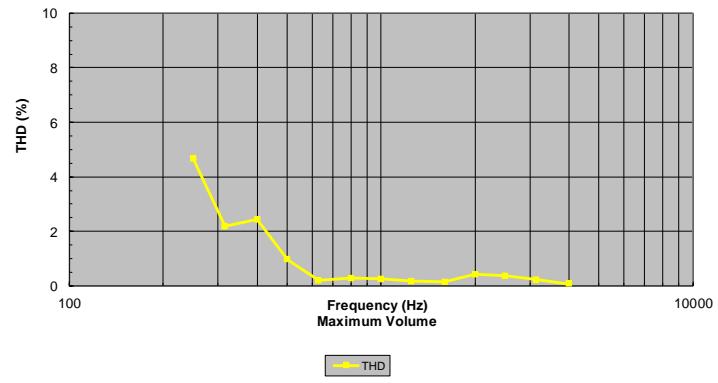
Comments: 24.4 kbps

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TIA-5050 Measurement at 8N Receive THD (comprised of 2nd & 3rd Harmonics)



TIA-5050 Measurement at 2N Receive THD (comprised of 2nd & 3rd Harmonics)



Test Date
5/28/2024 11:32
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Test Date
5/28/2024 11:32
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

LTE Band 12 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

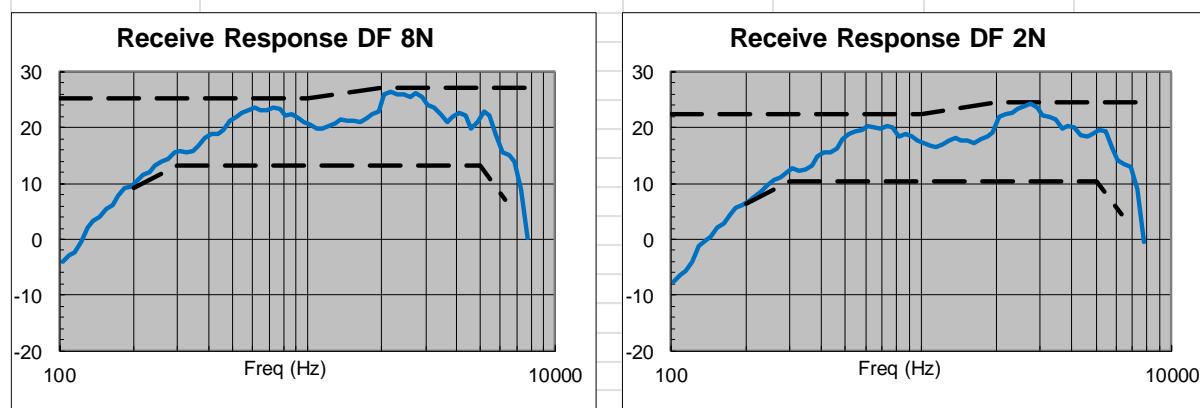
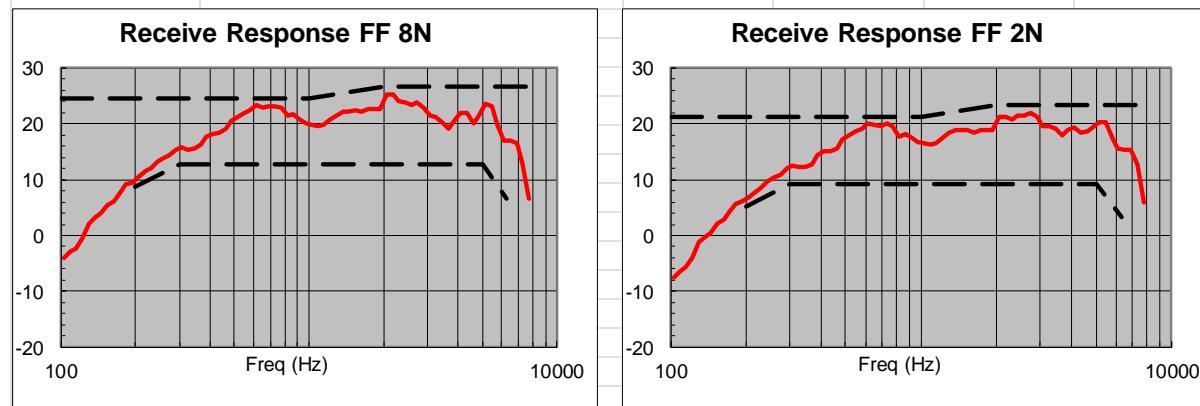
TIA-5050 Receive Volume Control Measurements

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Device Under Test:	LTE B12 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.3 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.7 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.29 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.1 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.34 dB	info only		
	Recv conversational gain 8N	21.34 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.06 dB	info only		
	Recv conversational gain 2N	18.06 dB	6.00	PASS	

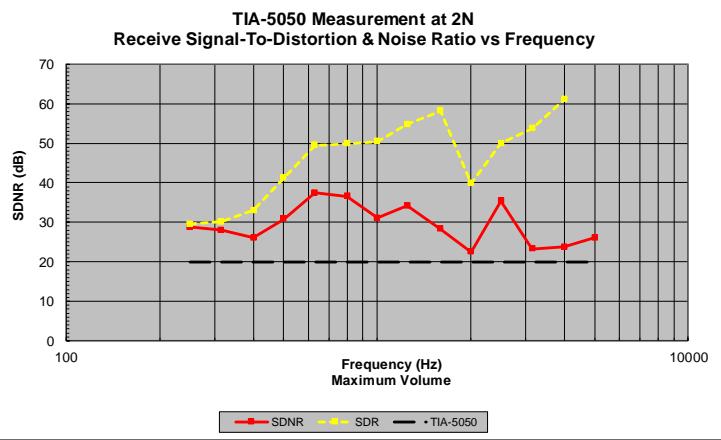
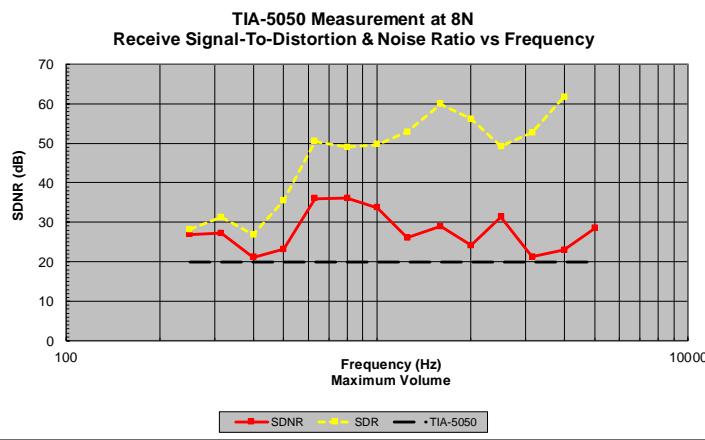
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.1 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	2.52 dB	Absolute Limits	PASS	

LTE Band 12 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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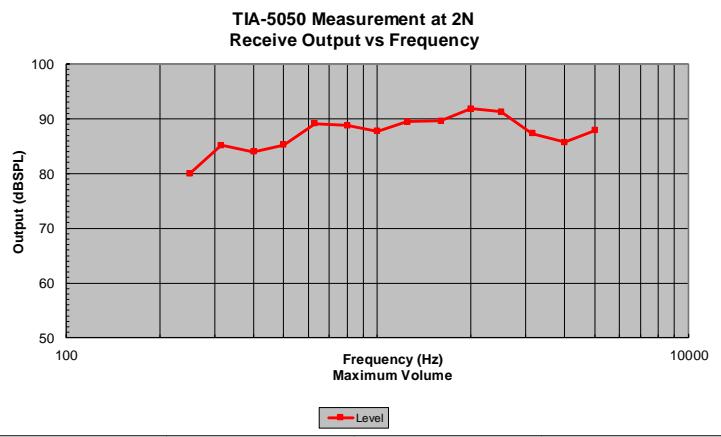
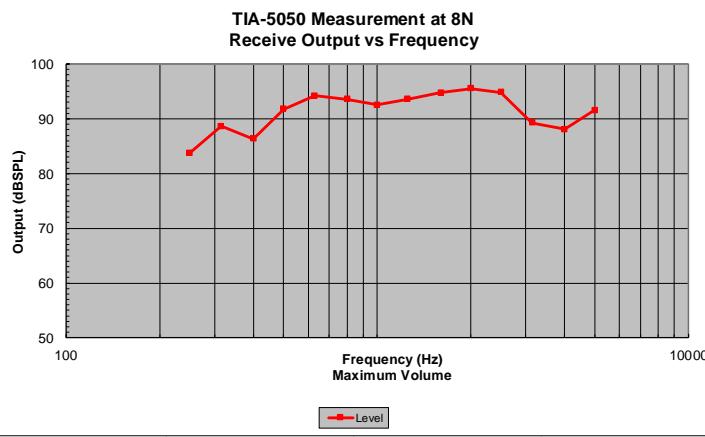
Test	Margin	Limits	Result
Recv PN-SDNR 8N	1.1 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test Date 5/28/2024 13:53

Test	Margin	Limits	Result
Recv PN-SDNR 2N	2.52 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

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Test Date
5/28/2024 13:53
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date 5/28/2024 13:53

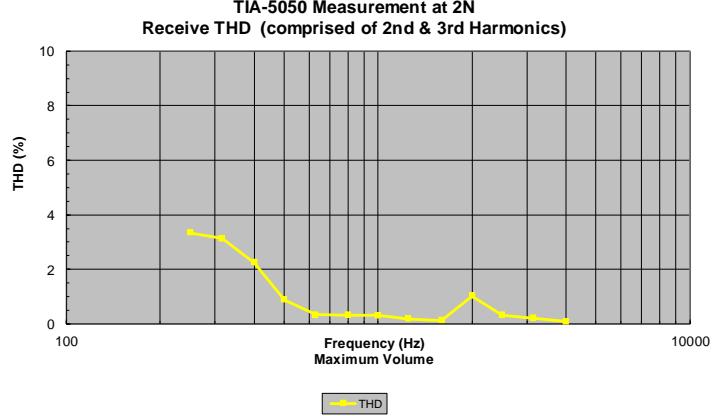
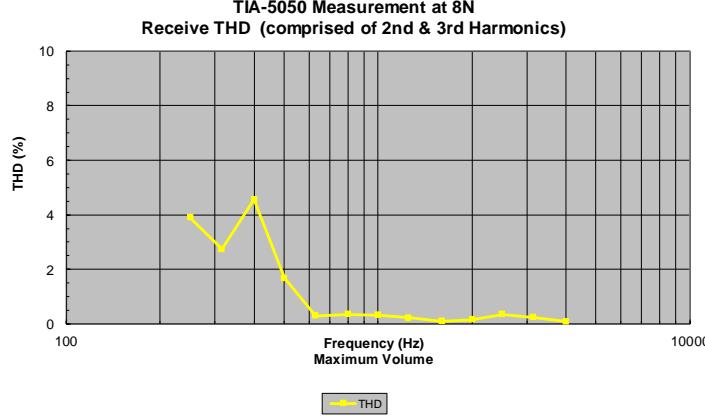
Test Date
5/28/2024 13:53
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

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Test Date
5/28/2024 13:53
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date 5/28/2024 13:53

Test Date
5/28/2024 13:53
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

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LTE Band 13 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

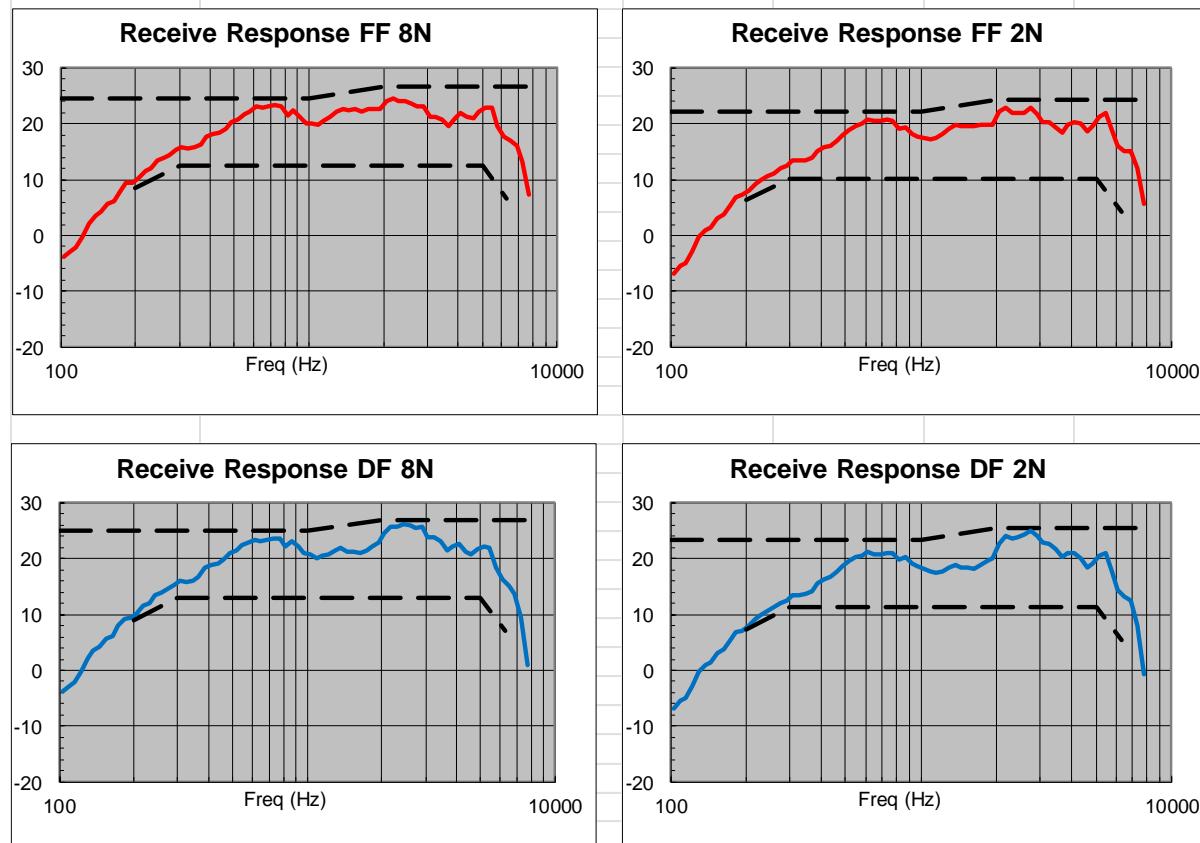
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B13 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.3 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.8 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.44 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.3 dB	Floating Limits	PASS	



Output

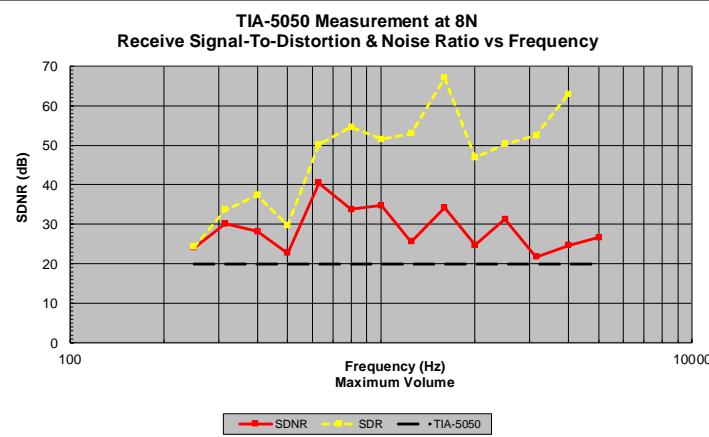
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.3 dB	info only		
	Recv conversational gain 8N	21.3 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.95 dB	info only		
	Recv conversational gain 2N	18.95 dB	6.00	PASS	

Distortion

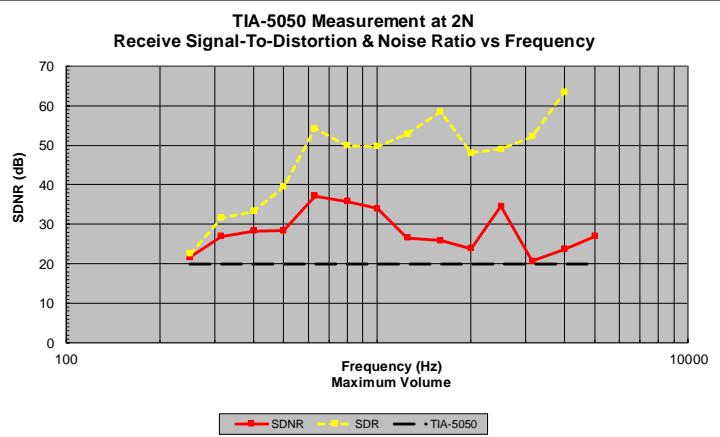
TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.7 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.65 dB	Absolute Limits	PASS	

LTE Band 13 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

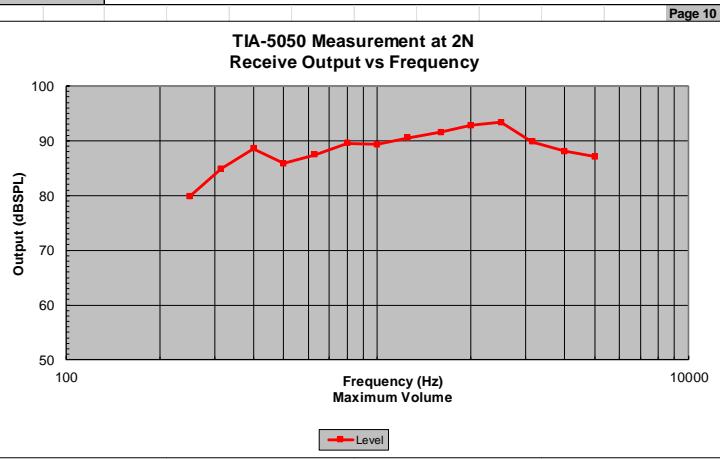
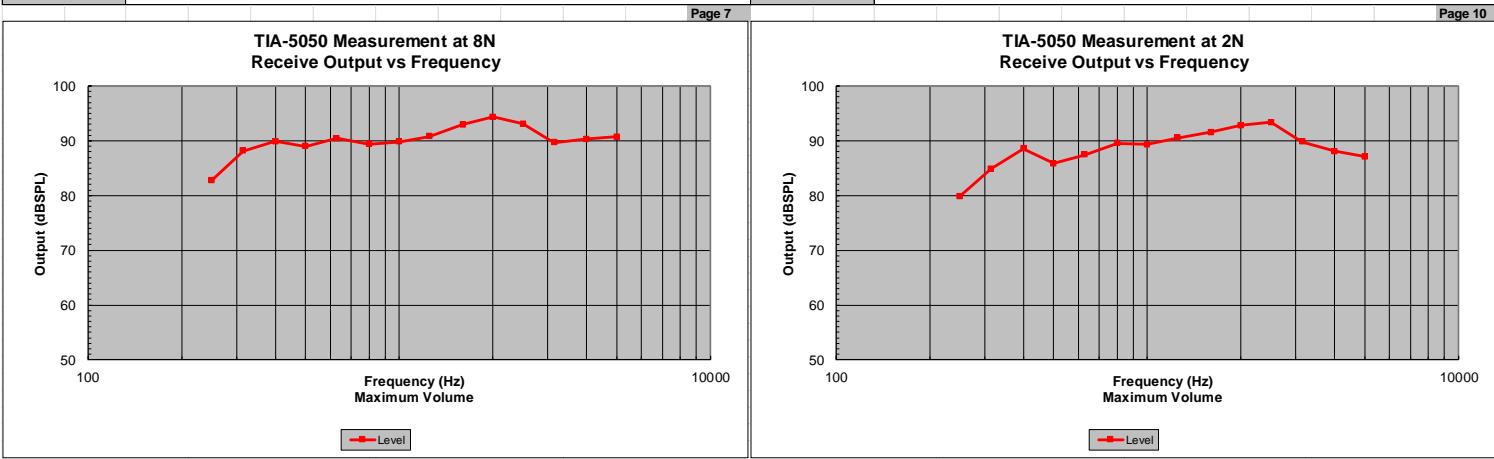
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Test	Margin	Limits	Result
Recv PN-SDNR 8N	1.7 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

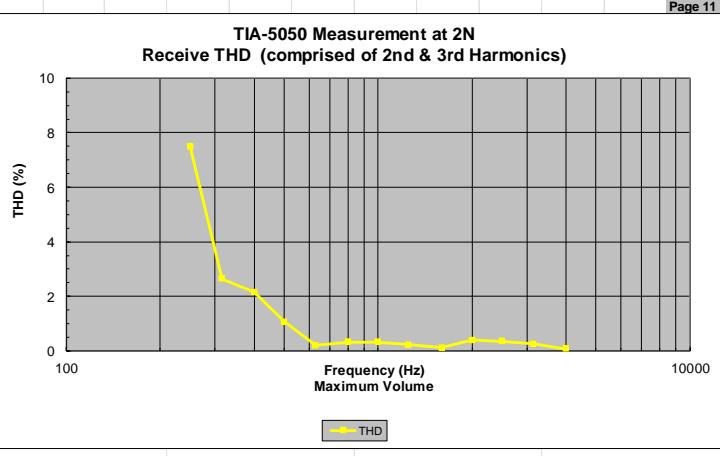
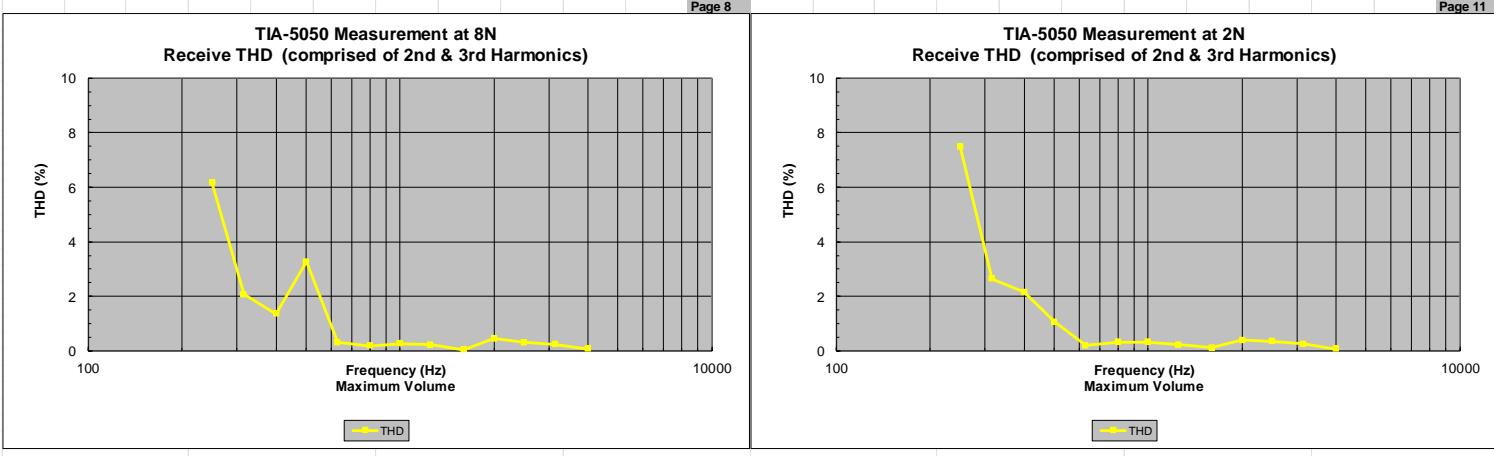


Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.65 dB	Absolute Limits	PASS	5/28/2024 14:01
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				



Test Date
5/28/2024 14:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments:
24.4 kbps



Test Date
5/28/2024 14:01
Stimulus level -20 dBPa

Comments:
24.4 kbps

LTE Band 14 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

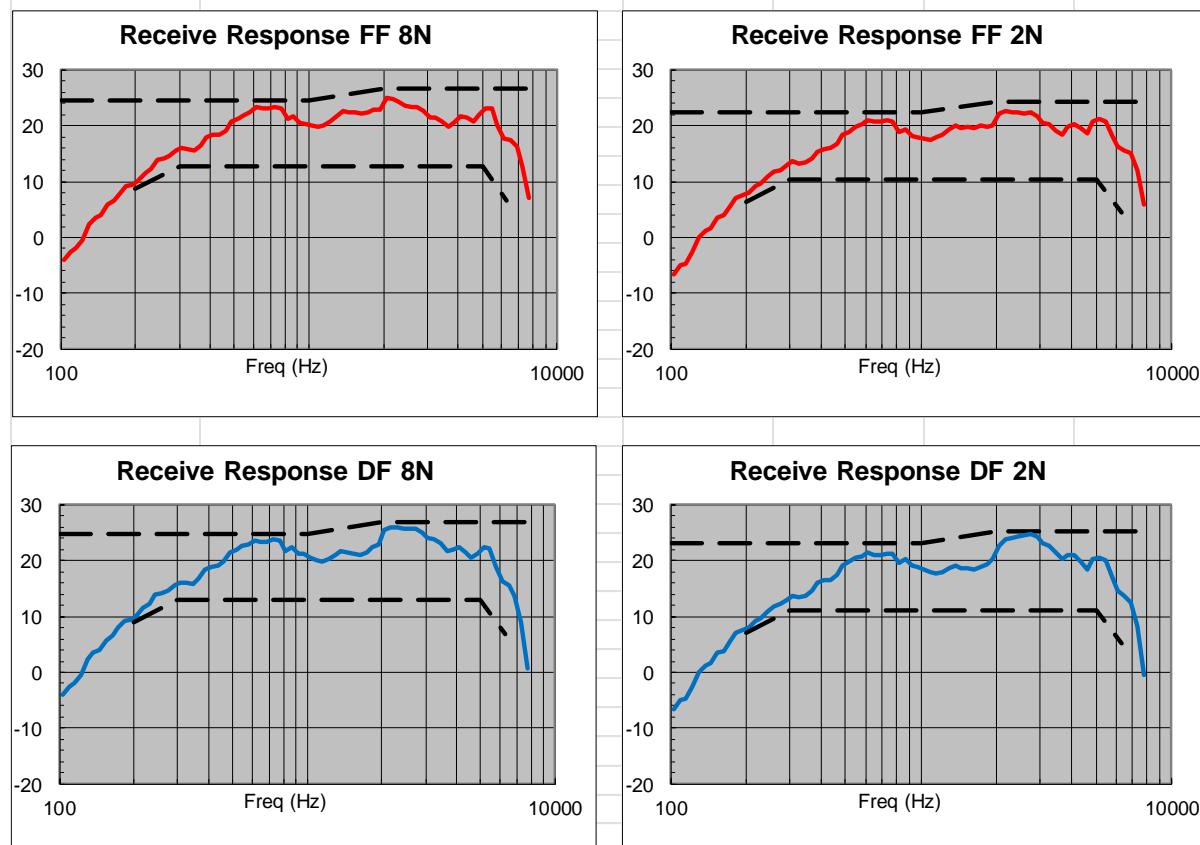
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B14 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.19 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.9 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.31 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.5 dB	Floating Limits	PASS	



Output

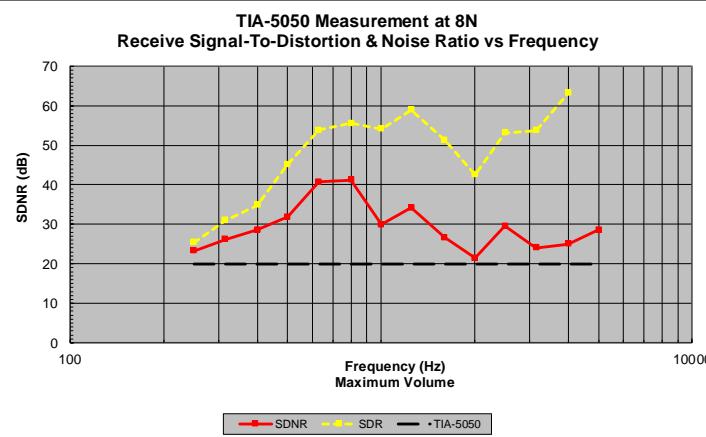
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.41 dB	info only		
	Recv conversational gain 8N	21.41 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.12 dB	info only		
	Recv conversational gain 2N	19.12 dB	6.00	PASS	

Distortion

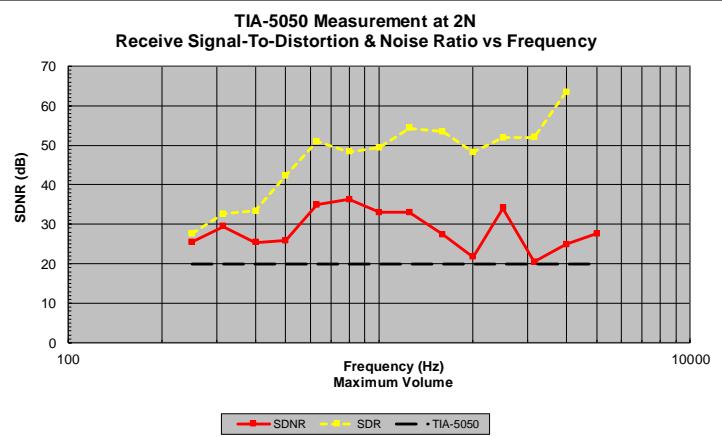
TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.5 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.51 dB	Absolute Limits	PASS	

LTE Band 14 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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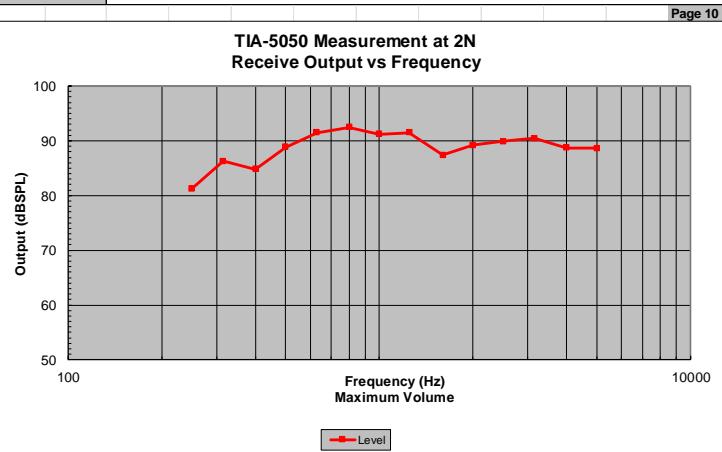


Test	Margin	Limits	Result
Recv PN-SDNR 8N	1.5 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			



Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.51 dB	Absolute Limits	PASS	5/28/2024 14:20
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

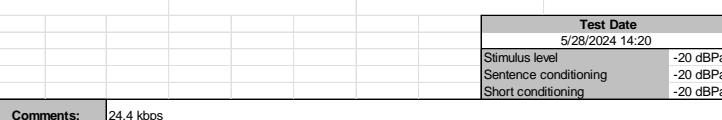
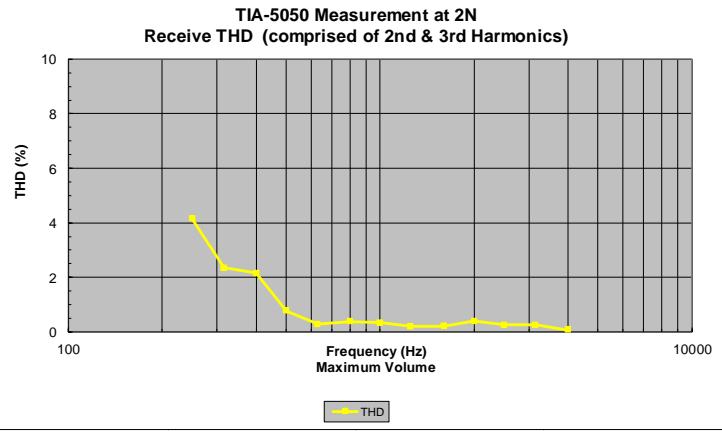
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Test Date	
5/28/2024 14:20	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-20 dBPa

Comments:
24.4 kbps

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Test Date	
5/28/2024 14:20	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-20 dBPa

Comments:
24.4 kbps

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LTE Band 26 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

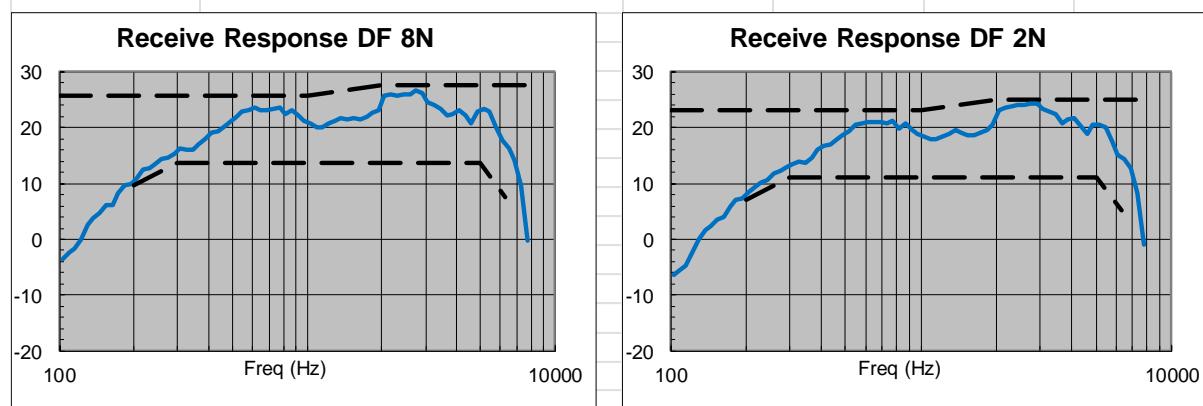
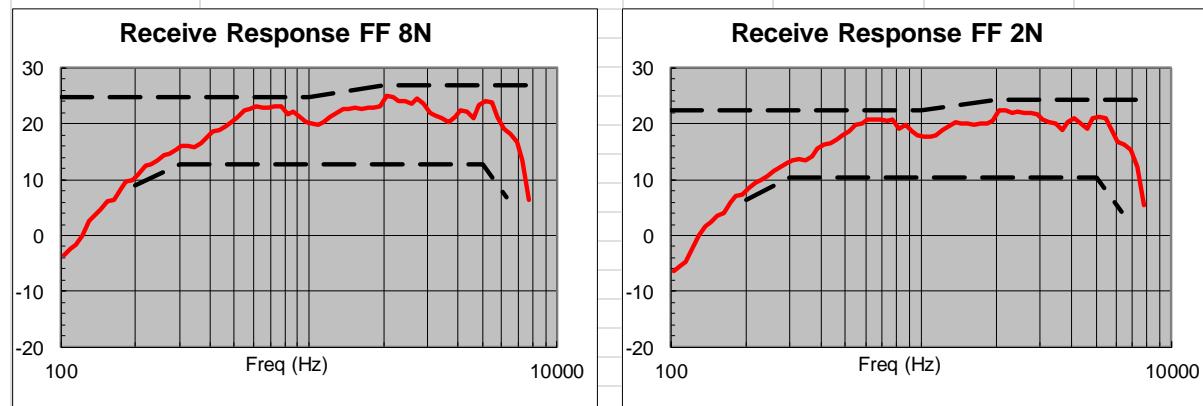
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B26 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.64 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.8 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.63 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.8 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.49 dB	info only		
	Recv conversational gain 8N	21.49 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.12 dB	info only		
	Recv conversational gain 2N	19.12 dB	6.00	PASS	

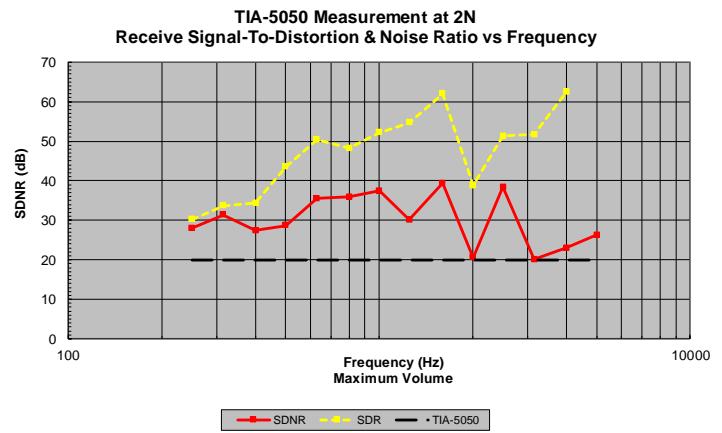
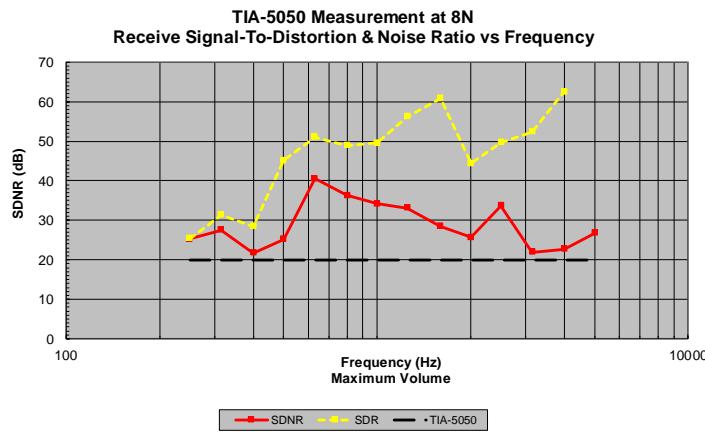
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.7 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.09 dB	Absolute Limits	PASS	

LTE Band 26 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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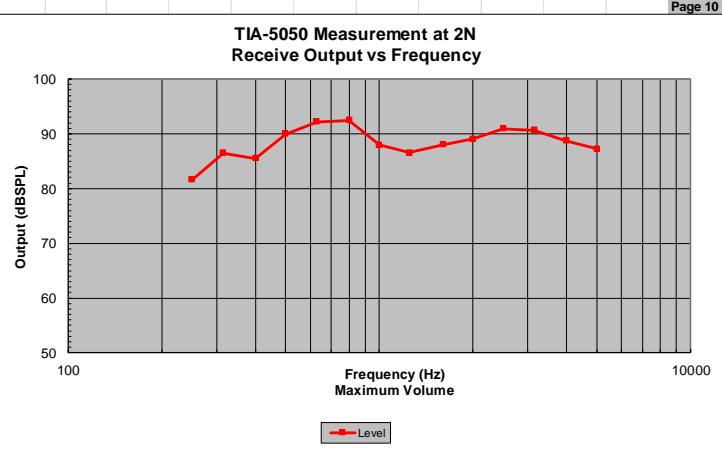
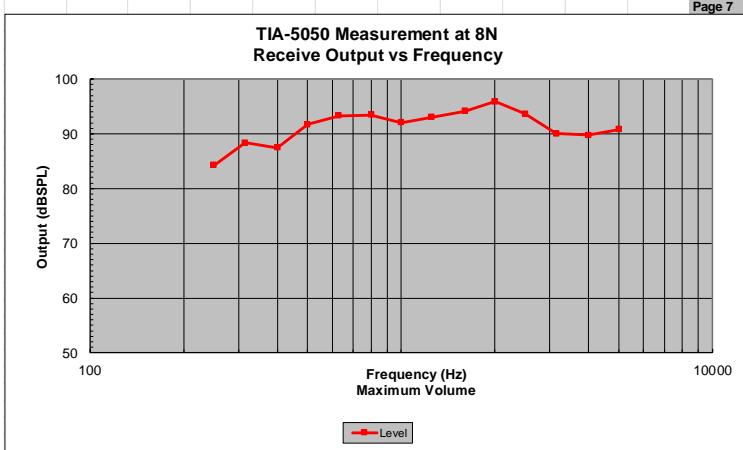


Test	Margin	Limits	Result
Recv PN-SDNR 8N	1.7 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test Date
5/28/2024 13:25

Test	Margin	Limits	Result
Recv PN-SDNR 2N	0.09 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test Date
5/28/2024 13:25



Test Date
5/28/2024 13:25
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

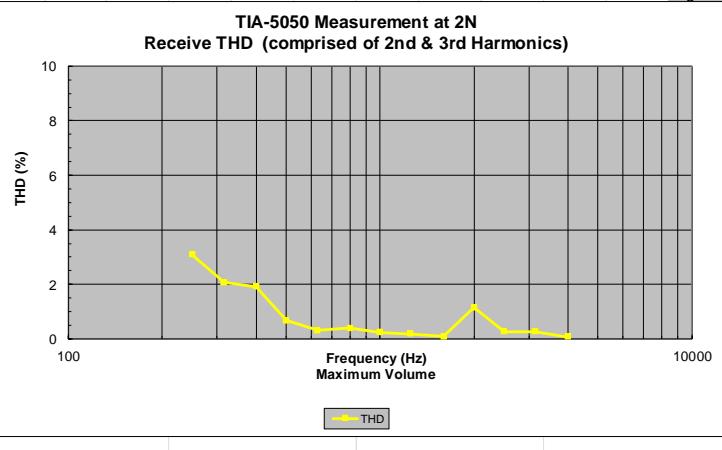
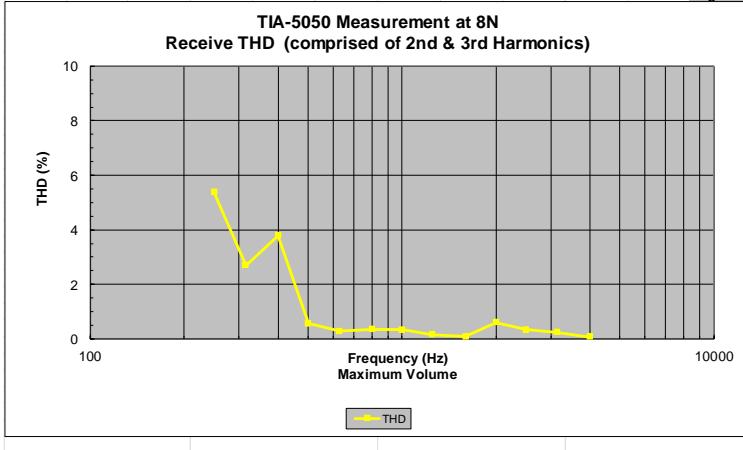
Test Date
5/28/2024 13:25
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

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Test Date
5/28/2024 13:25
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 13:25
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

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LTE Band 30 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

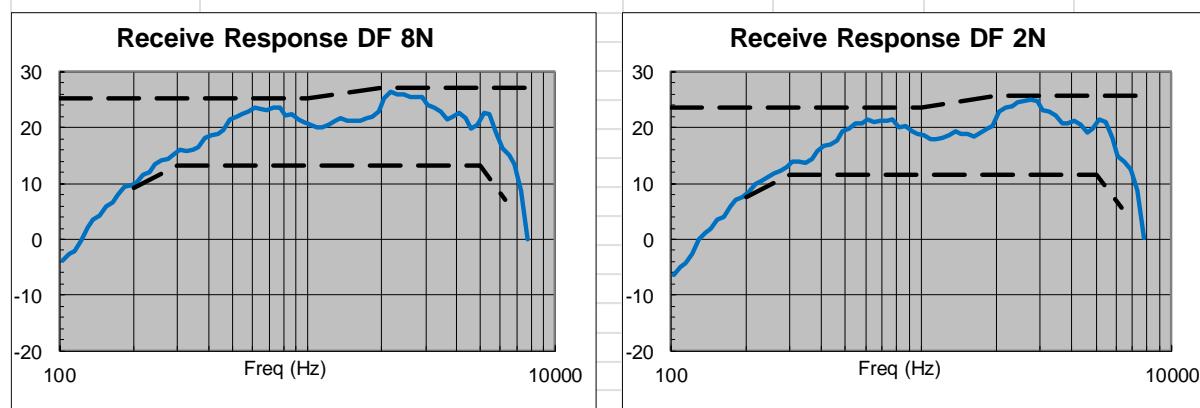
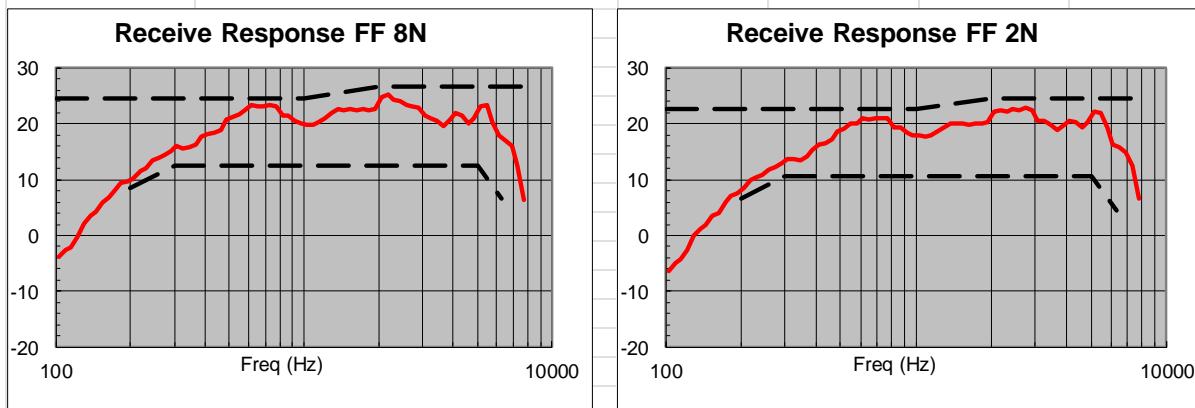
TIA-5050 Receive Volume Control Measurements

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Device Under Test:	LTE B30 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.25 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.7 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.59 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.5 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.34 dB	info only		
	Recv conversational gain 8N	21.34 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.25 dB	info only		
	Recv conversational gain 2N	19.25 dB	6.00	PASS	

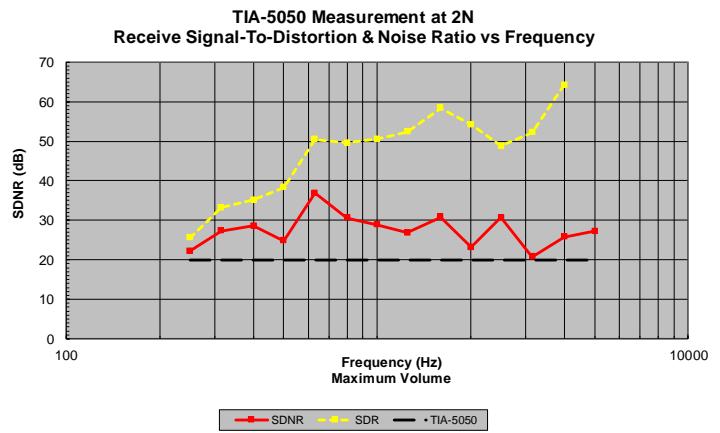
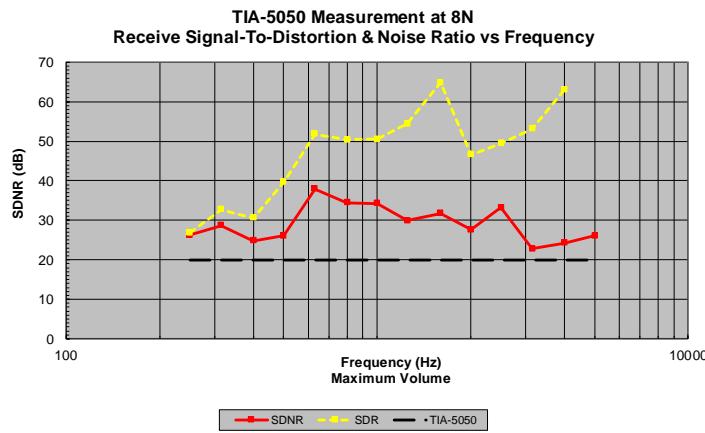
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	2.8 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.77 dB	Absolute Limits	PASS	

LTE Band 30 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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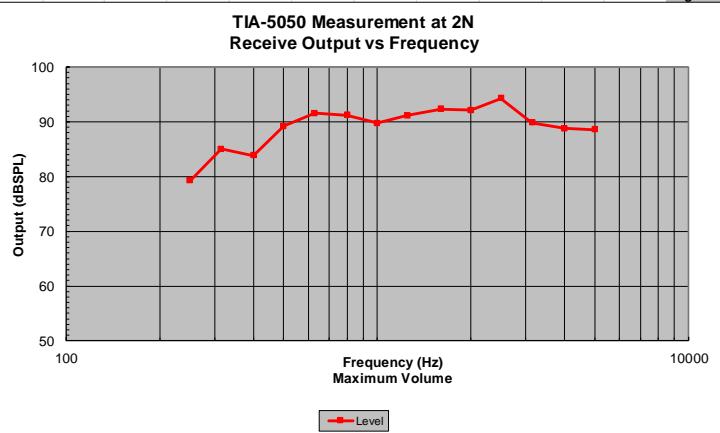
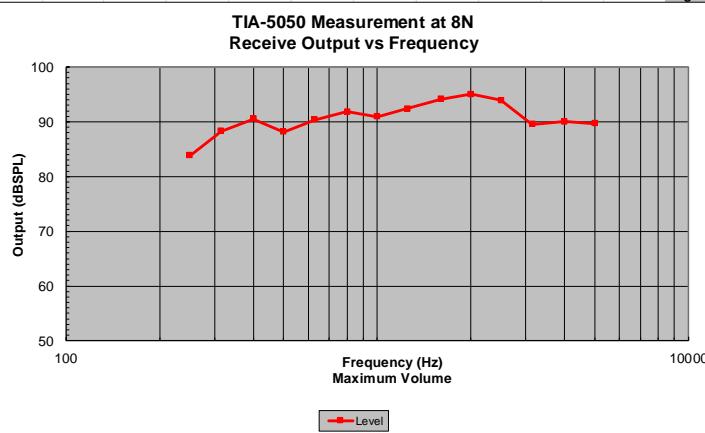


Test	Margin	Limits	Result
Recv PN-SDNR 8N	2.8 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.77 dB	Absolute Limits	PASS	5/28/2024 14:45
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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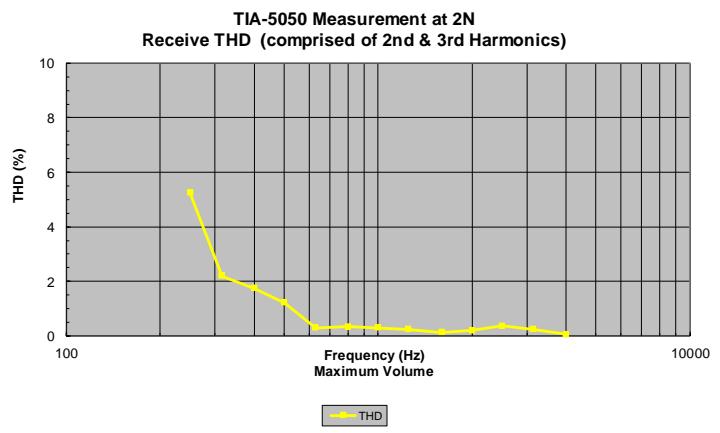
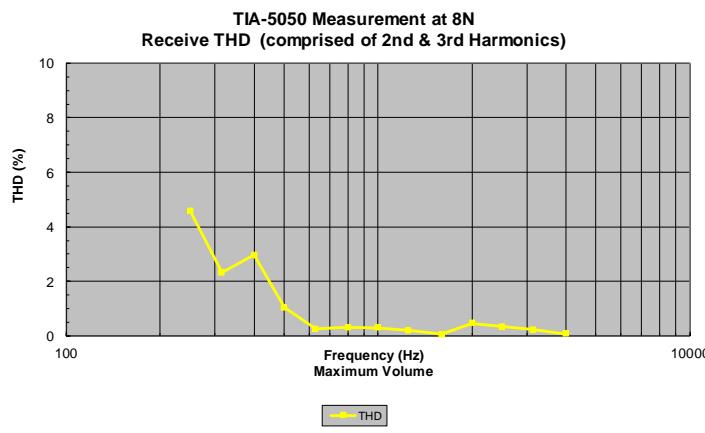
Test Date
5/28/2024 14:45
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 14:45
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

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Test Date
5/28/2024 14:45
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 14:45
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

LTE Band 41 PC3 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

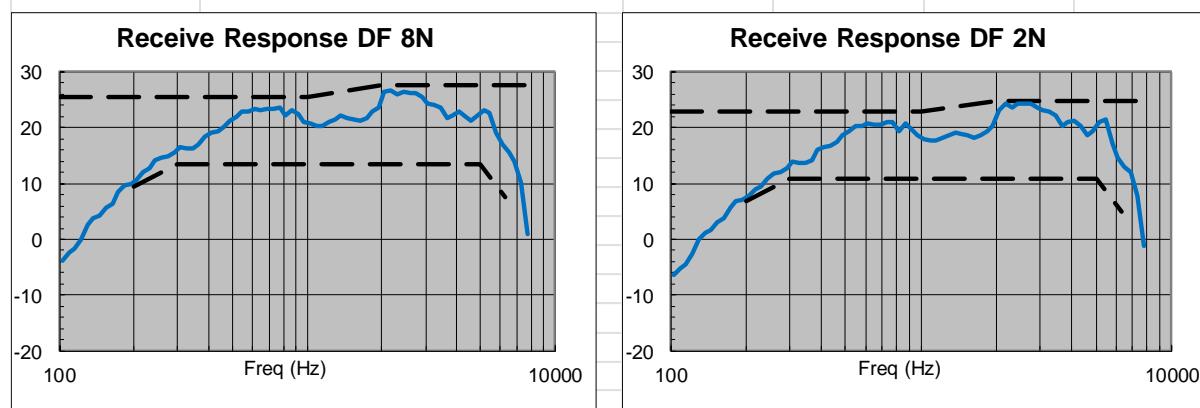
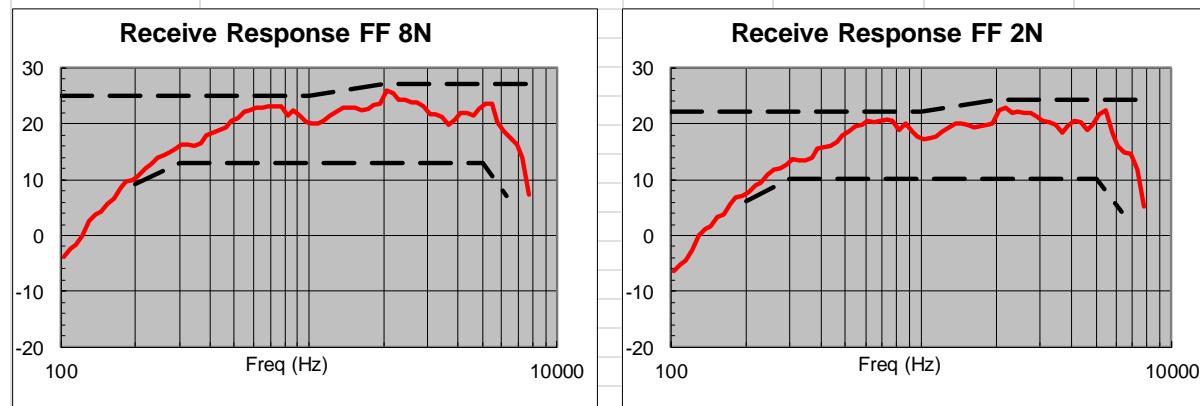
TIA-5050 Receive Volume Control Measurements

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Device Under Test:	LTE B41 PC3 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.25 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.8 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.22 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.6 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.54 dB	info only		
	Recv conversational gain 8N	21.54 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.89 dB	info only		
	Recv conversational gain 2N	18.89 dB	6.00	PASS	

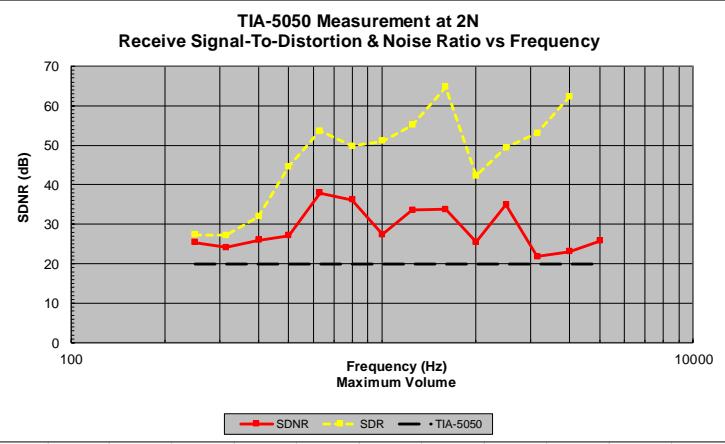
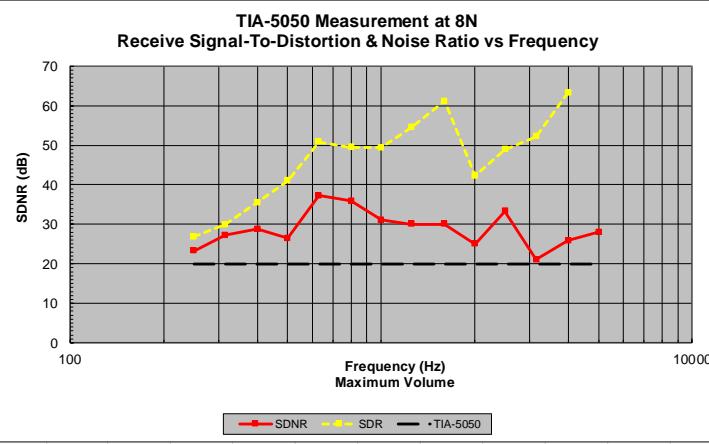
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.8 dB	Absolute Limits	PASS	

LTE Band 41 PC3 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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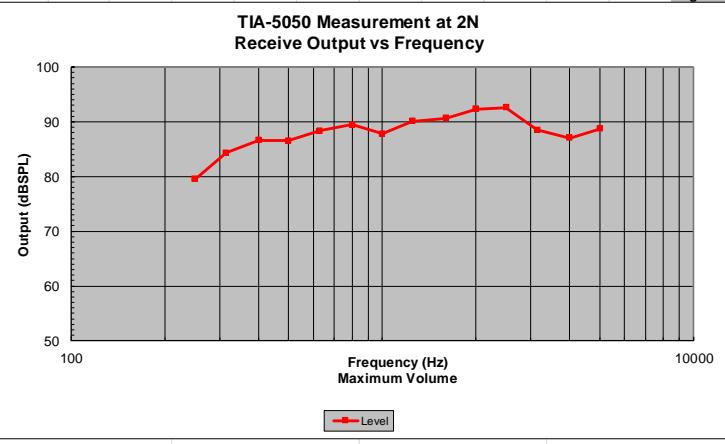


Test	Margin	Limits	Result
Recv PN-SDNR 8N	1 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test	Margin	Limits	Result
Recv PN-SDNR 2N	1.8 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

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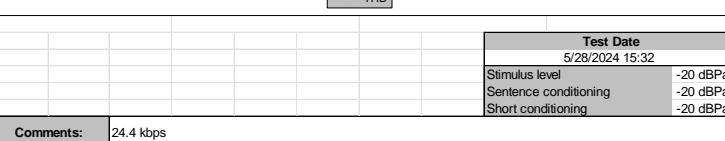
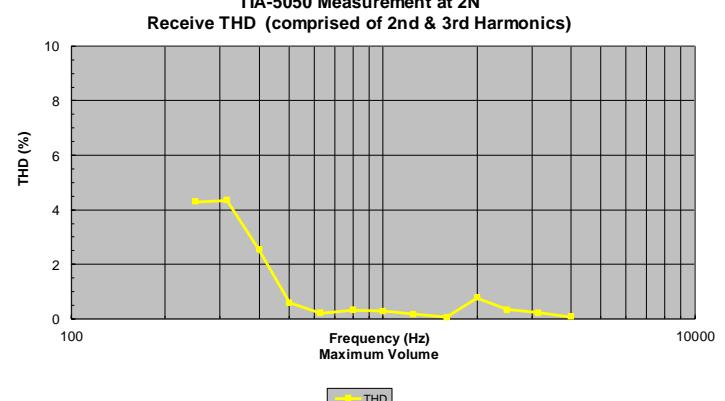


Test Date
5/28/2024 15:32
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 15:32
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Test Date
5/28/2024 15:32
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 15:32
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Comments:
24.4 kbps

Comments:
24.4 kbps

LTE Band 41 PC2 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

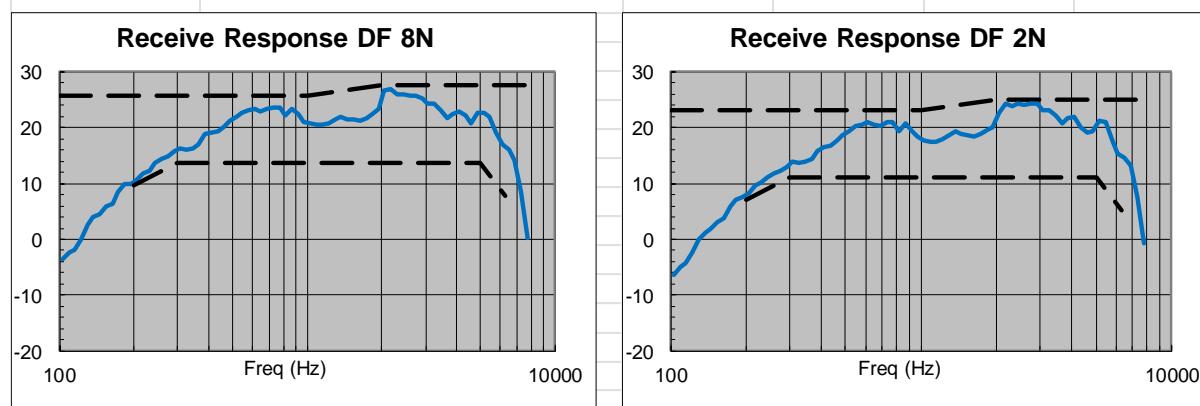
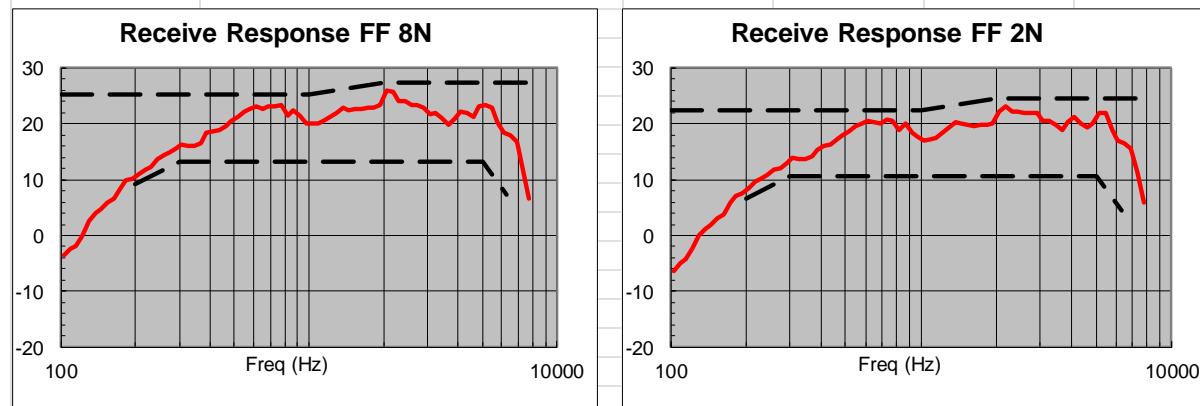
TIA-5050 Receive Volume Control Measurements

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Device Under Test:	LTE B41 PC2 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.19 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.7 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.48 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.8 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.52 dB	info only		
	Recv conversational gain 8N	21.52 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.97 dB	info only		
	Recv conversational gain 2N	18.97 dB	6.00	PASS	

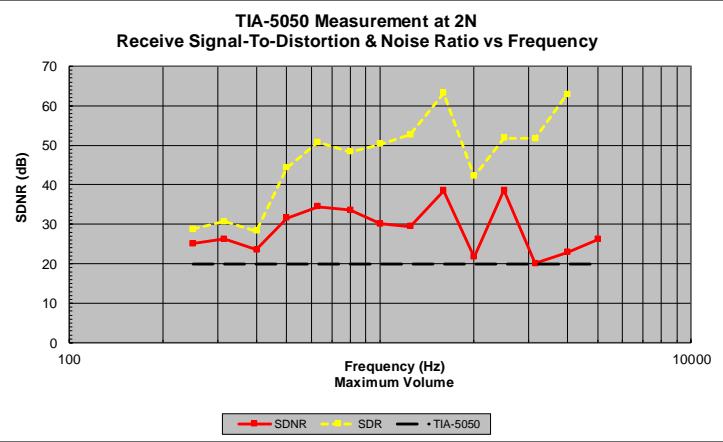
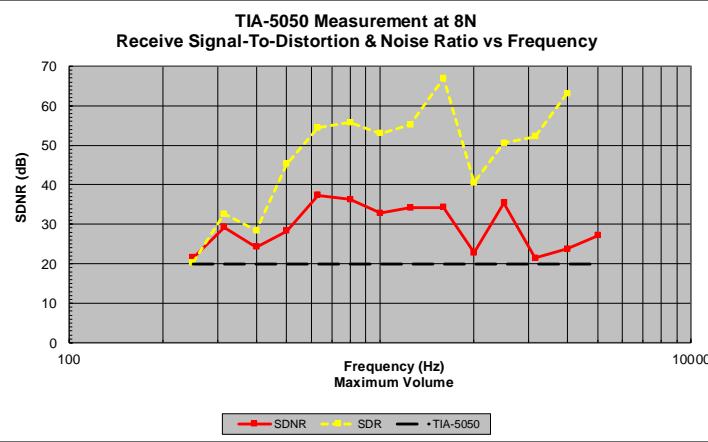
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.4 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.09 dB	Absolute Limits	PASS	

LTE Band 41 PC2 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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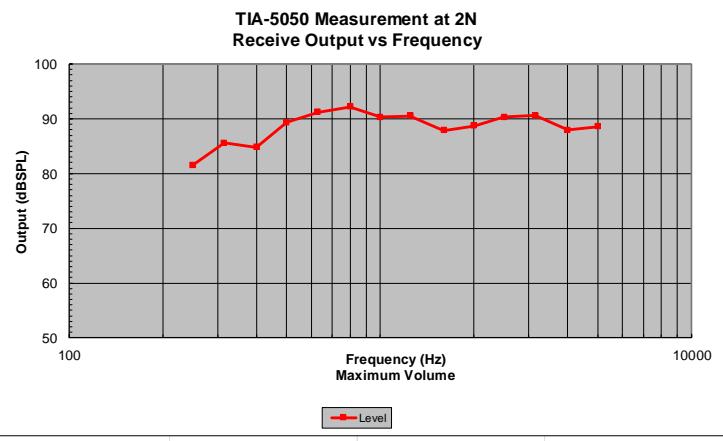
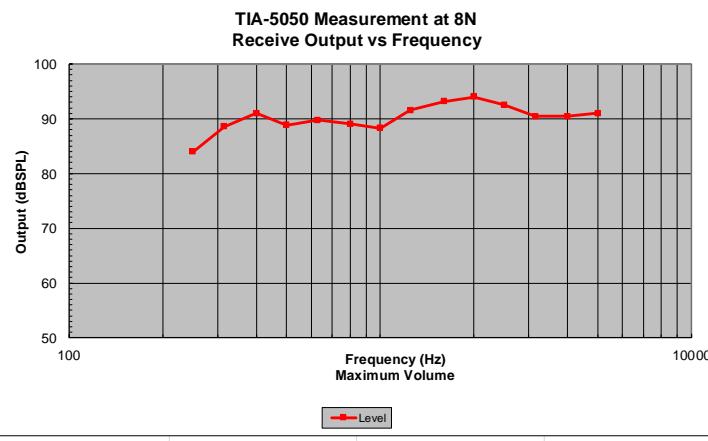


Test	Margin	Limits	Result
Recv PN-SDNR 8N	1.4 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test	Margin	Limits	Result
Recv PN-SDNR 2N	0.09 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

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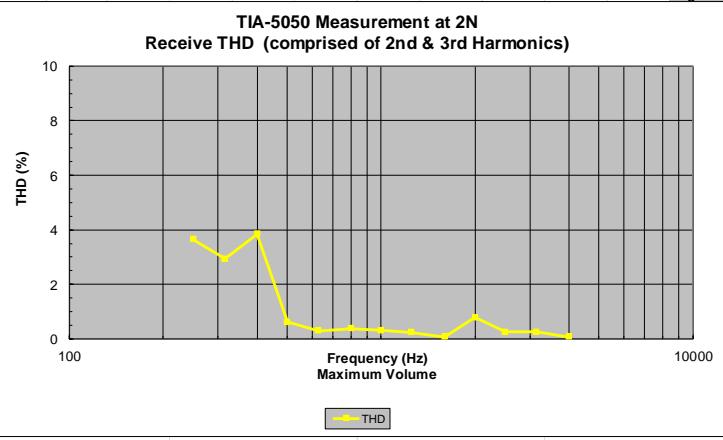
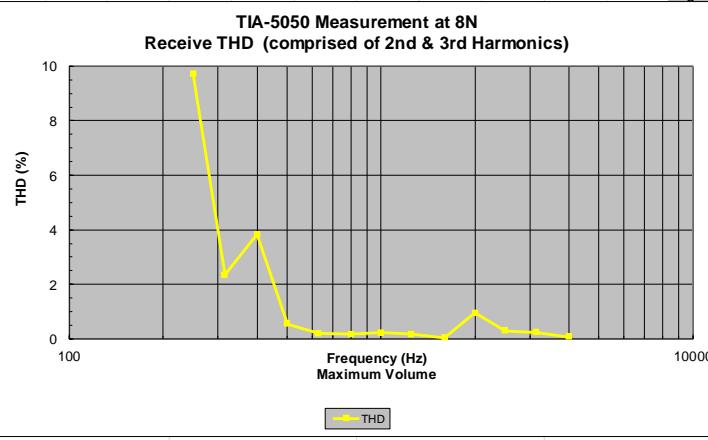


Test Date
5/28/2024 16:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 16:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Test Date
5/28/2024 16:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 16:01
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Comments: 24.4 kbps

Comments: 24.4 kbps

LTE Band 48 PC3 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

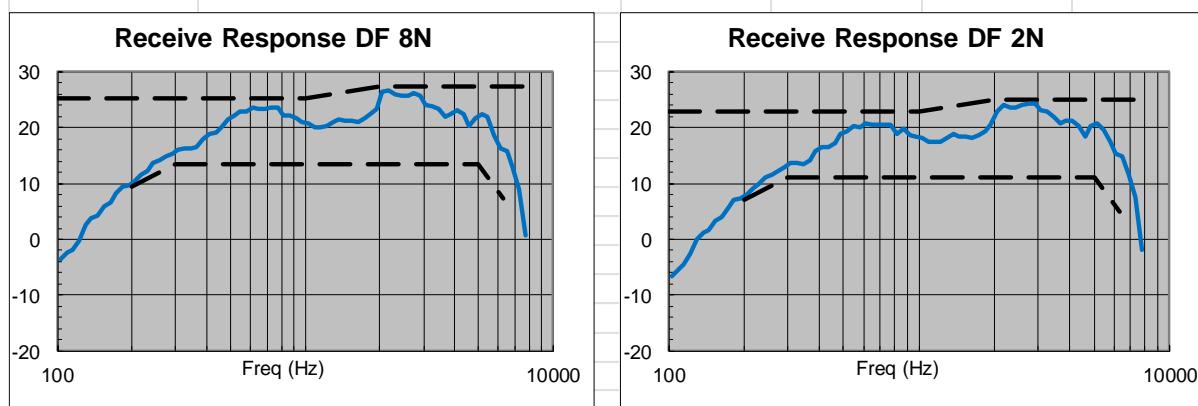
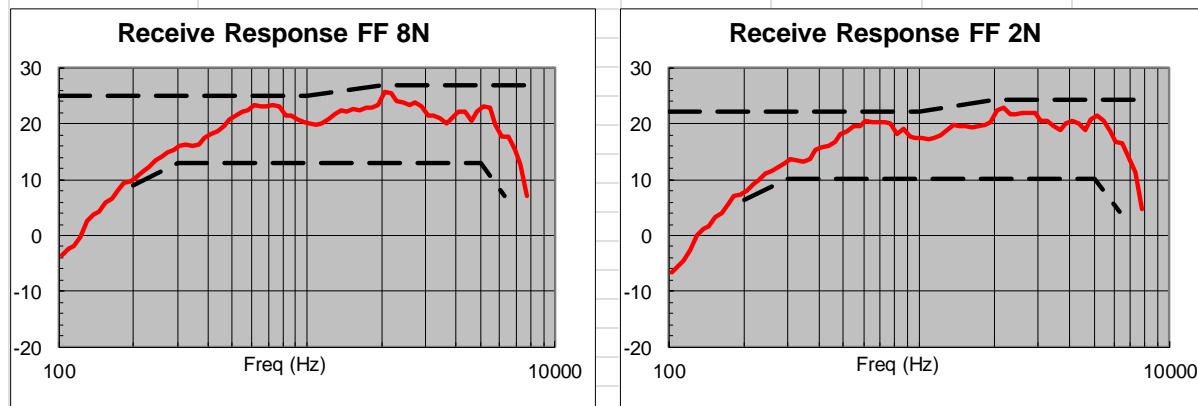
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B48 PC3 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.14 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.8 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.38 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.6 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.48 dB	info only		
	Recv conversational gain 8N	21.48 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.81 dB	info only		
	Recv conversational gain 2N	18.81 dB	6.00	PASS	

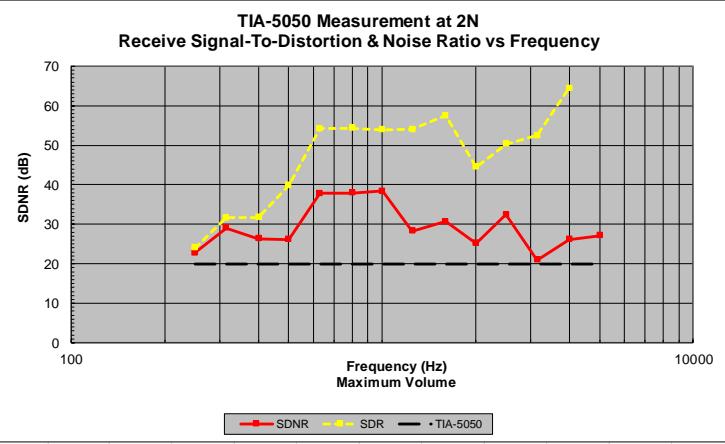
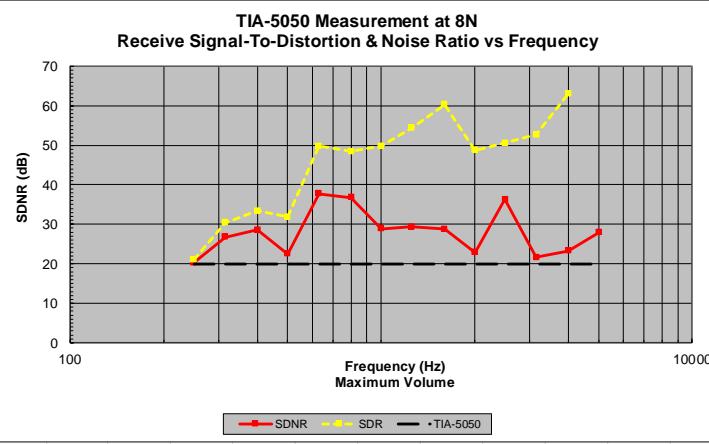
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.3 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1 dB	Absolute Limits	PASS	

LTE Band 48 PC3 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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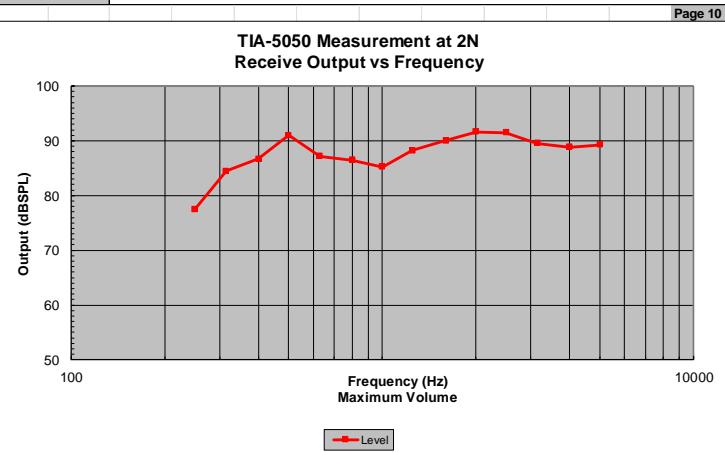


Test	Margin	Limits	Result
Recv PN-SDNR 8N	0.3 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test	Margin	Limits	Result
Recv PN-SDNR 2N	1 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

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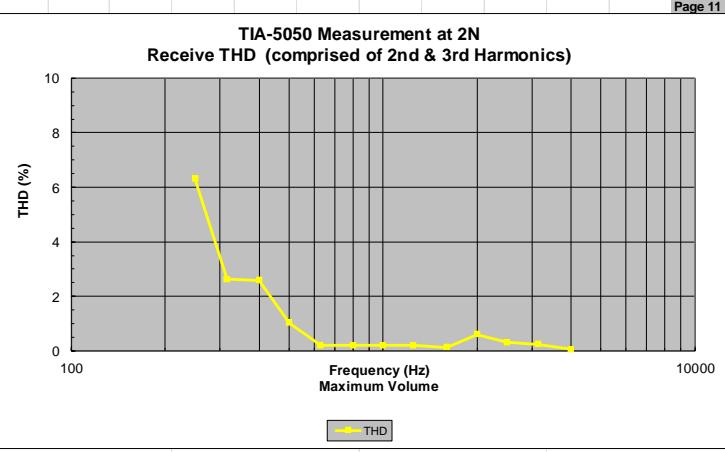


Test Date
5/28/2024 16:58
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 16:58
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Test Date
5/28/2024 16:58
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 16:58
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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LTE Band 53 PC3 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

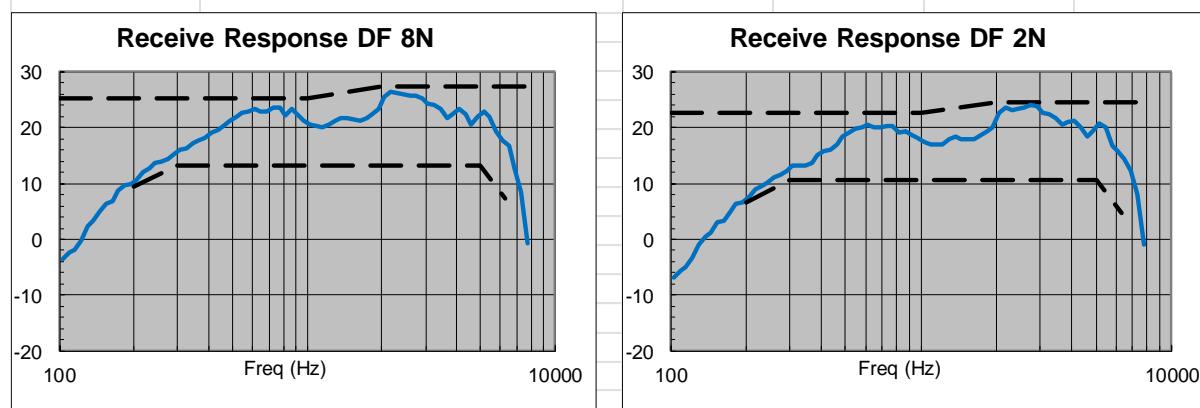
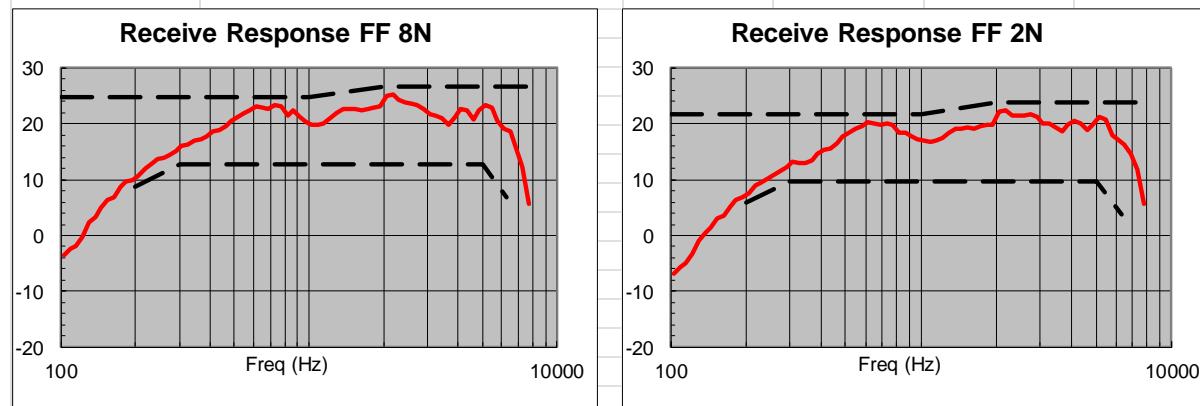
TIA-5050 Receive Volume Control Measurements

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Device Under Test:	LTE B53 PC3 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.5 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.9 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.44 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.5 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.47 dB	info only		
	Recv conversational gain 8N	21.47 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.47 dB	info only		
	Recv conversational gain 2N	18.47 dB	6.00	PASS	

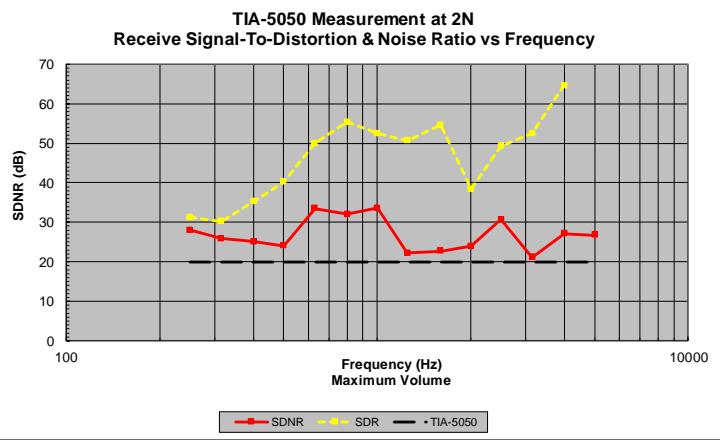
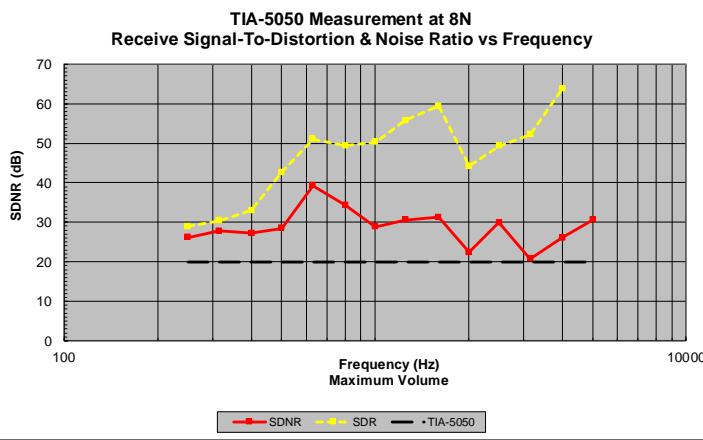
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.8 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.19 dB	Absolute Limits	PASS	

LTE Band 53 PC3 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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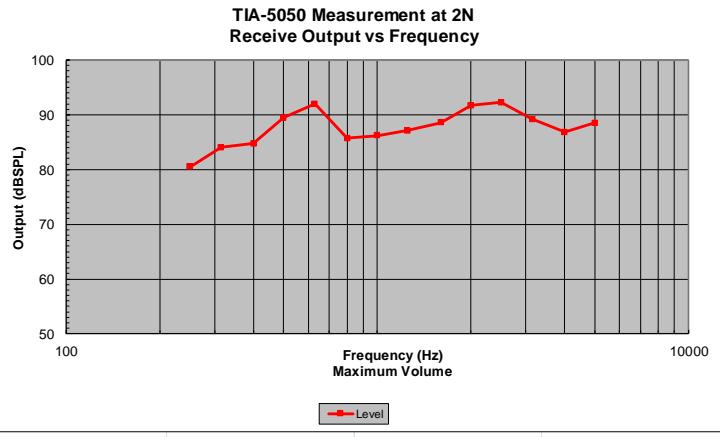
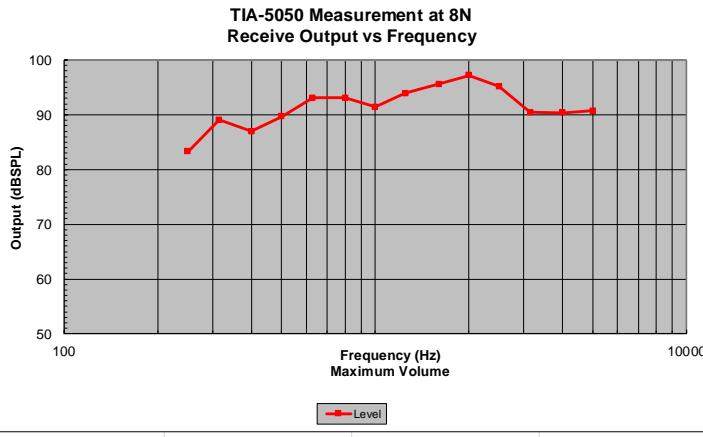


Test	Margin	Limits	Result
Recv PN-SDNR 8N	0.8 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	1.19 dB	Absolute Limits	PASS	5/28/2024 17:16
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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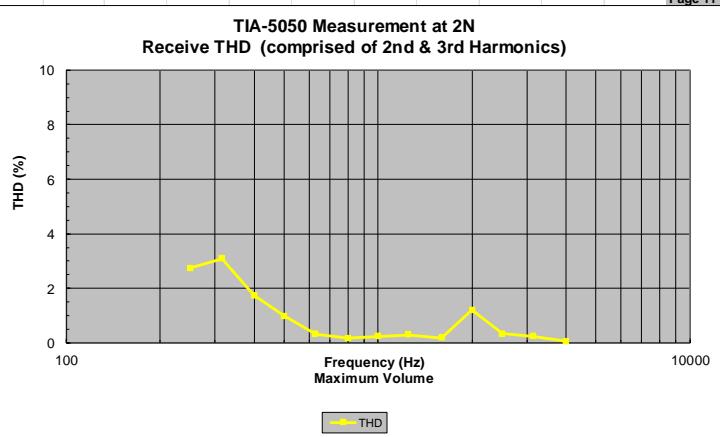
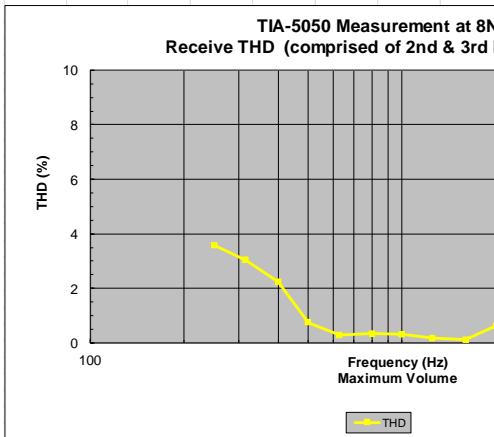


Test Date
5/28/2024 17:16
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Test Date
5/28/2024 17:16
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Test Date
5/28/2024 17:16
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Test Date
5/28/2024 17:16
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

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Comments: 24.4 kbps

Comments: 24.4 kbps

LTE Band 66 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

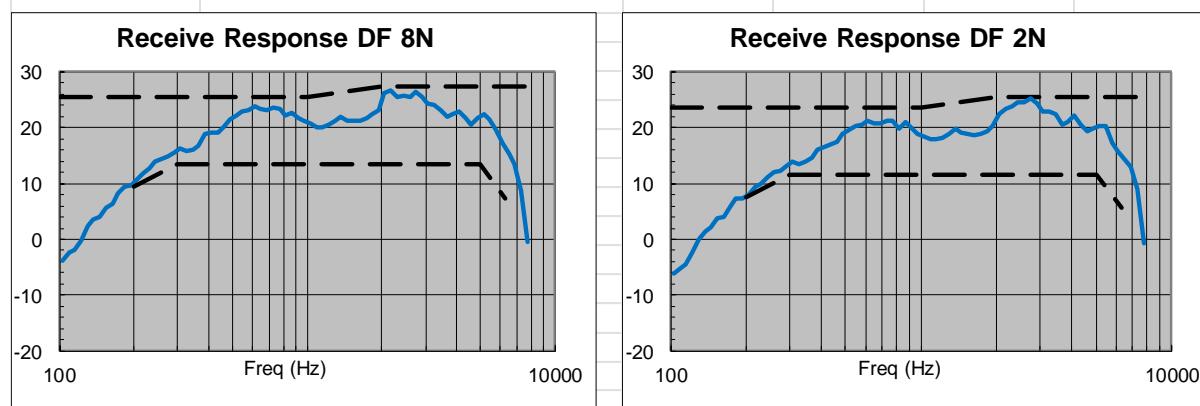
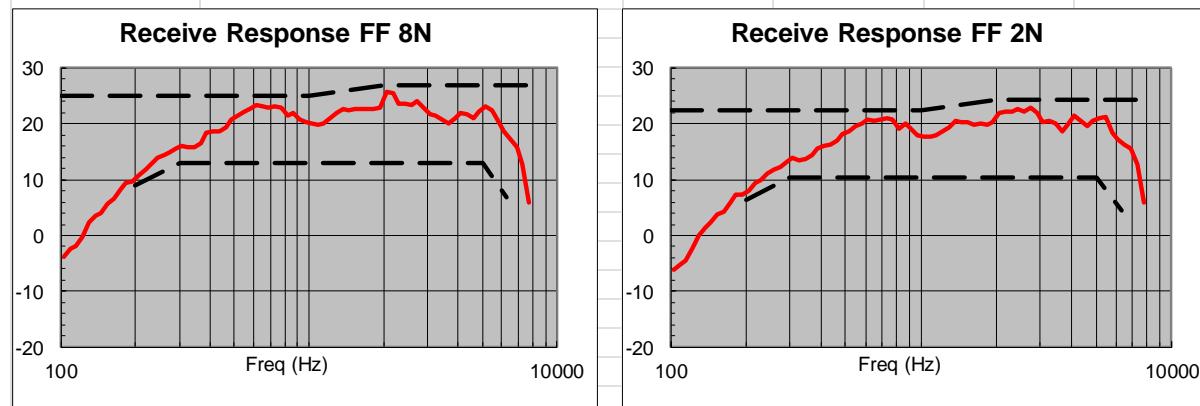
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B66 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.26 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.7 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.39 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.2 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.51 dB	info only		
	Recv conversational gain 8N	21.51 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.12 dB	info only		
	Recv conversational gain 2N	19.12 dB	6.00	PASS	

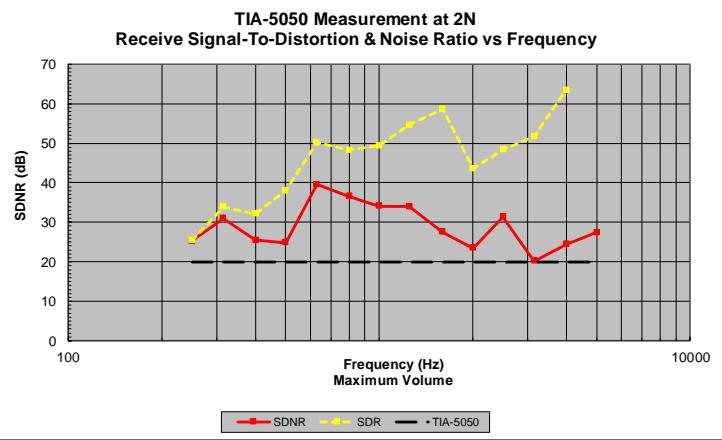
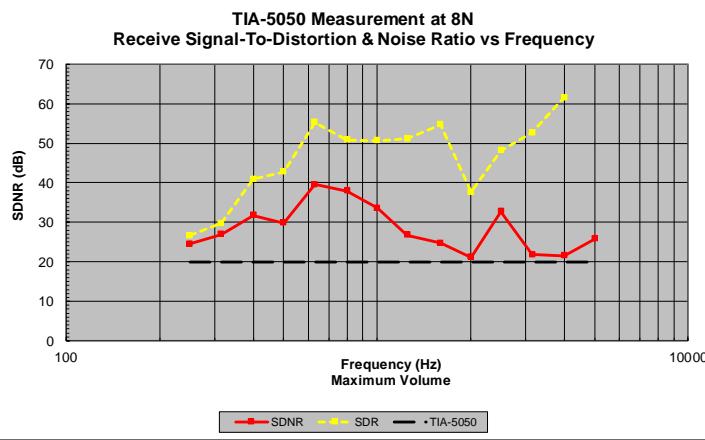
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.2 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.17 dB	Absolute Limits	PASS	

LTE Band 66 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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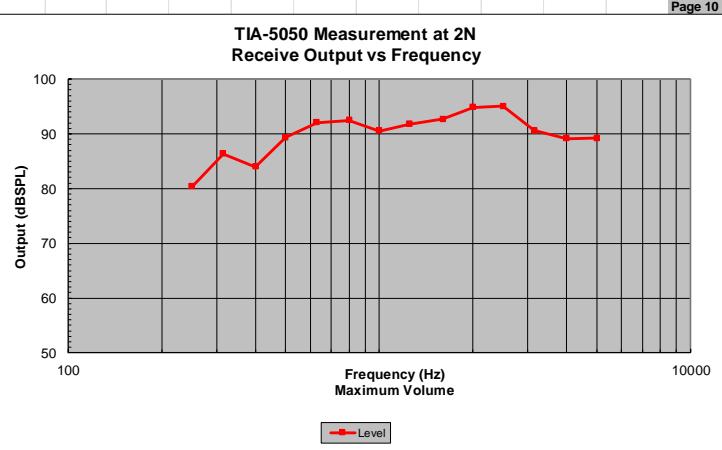
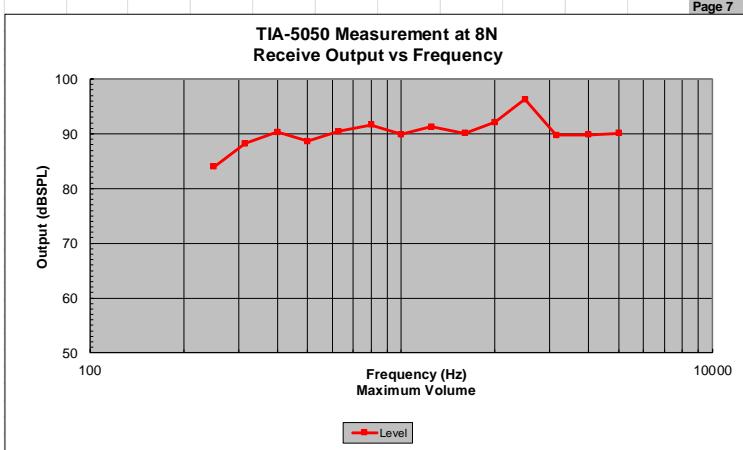


Test	Margin	Limits	Result
Recv PN-SDNR 8N	1.2 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test Date
5/28/2024 11:49

Test	Margin	Limits	Result
Recv PN-SDNR 2N	0.17 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

Test Date
5/28/2024 11:49



Test Date
5/28/2024 11:49
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

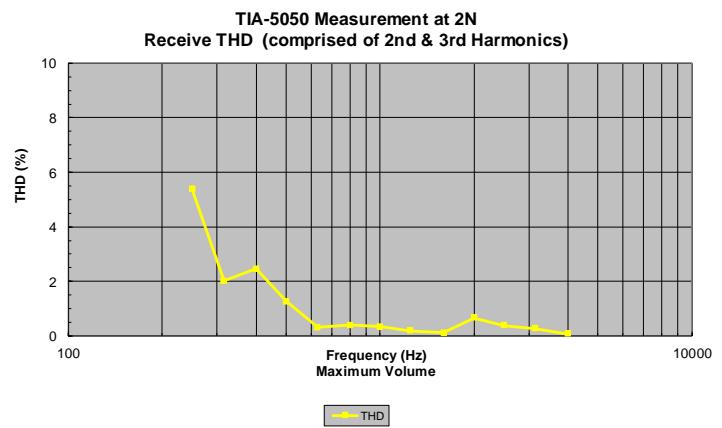
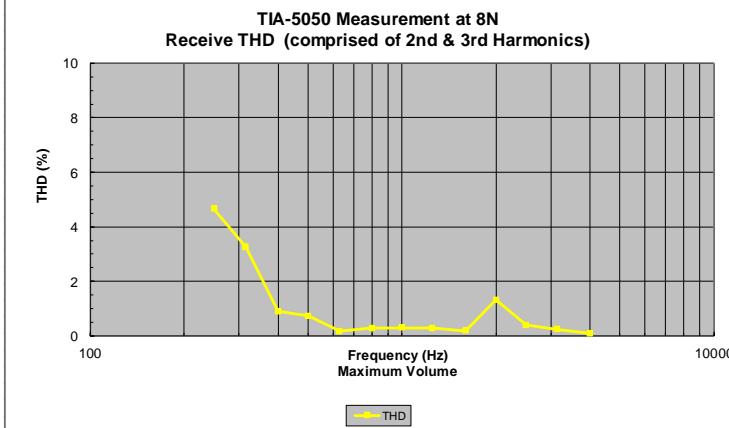
Test Date
5/28/2024 11:49
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

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Test Date
5/28/2024 11:49
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 11:49
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

LTE Band 71 EVS-WB: 24.4 kbps 1,0 RB QPSK
Conversational Gain & Frequency Response Report

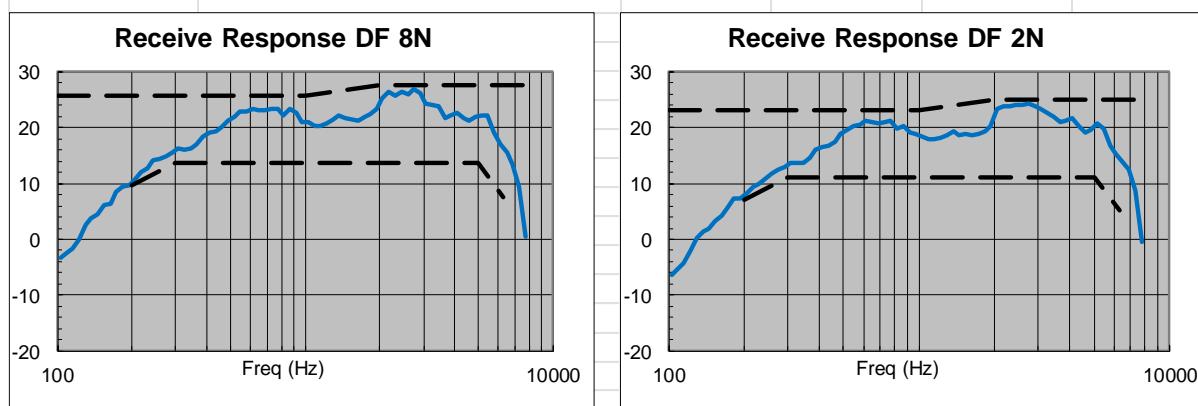
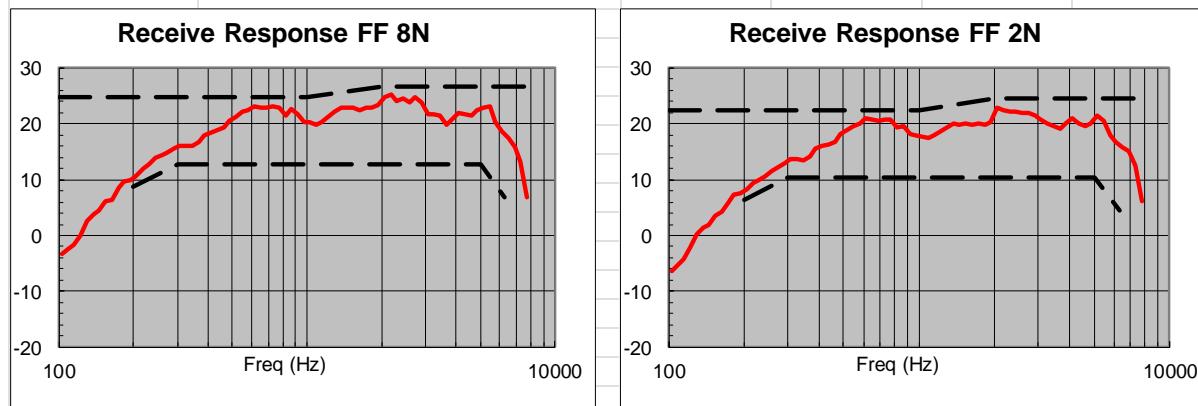
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	LTE B71 EVS-WB
Bandwidth	Wideband
Test Date:	5/28/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.52 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.6 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.48 dB	Floating Limits	PASS	
	Recv resp DF 2N	0.8 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.47 dB	info only		
	Recv conversational gain 8N	21.47 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.09 dB	info only		
	Recv conversational gain 2N	19.09 dB	6.00	PASS	

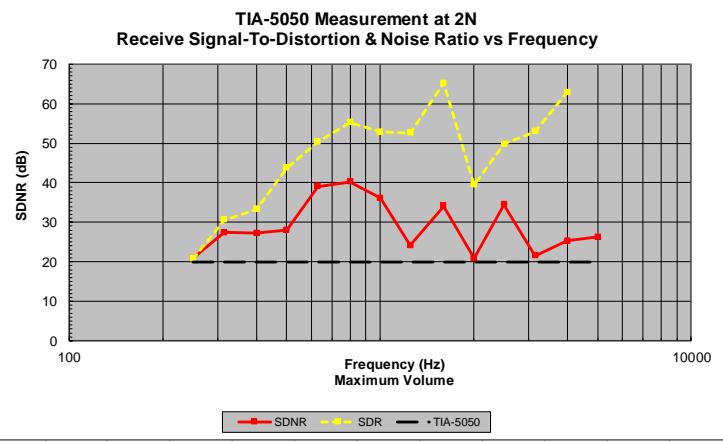
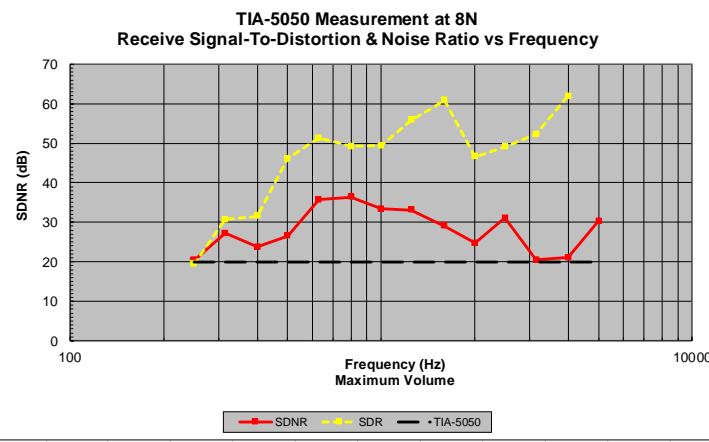
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.4 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.86 dB	Absolute Limits	PASS	

LTE Band 71 EVS-WB: 24.4 kbps 1,0 RB QPSK Distortion Report

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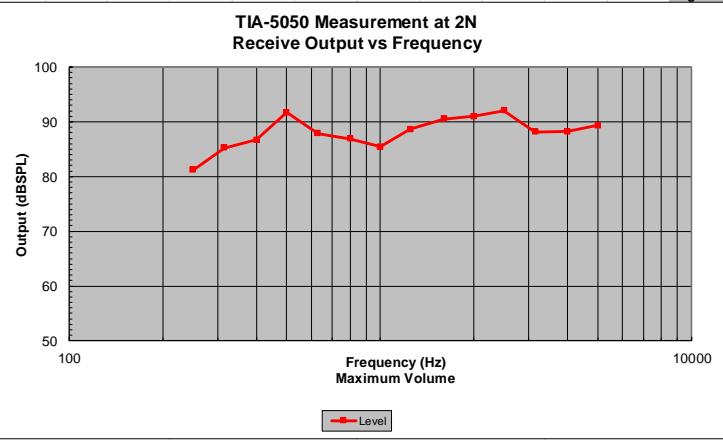
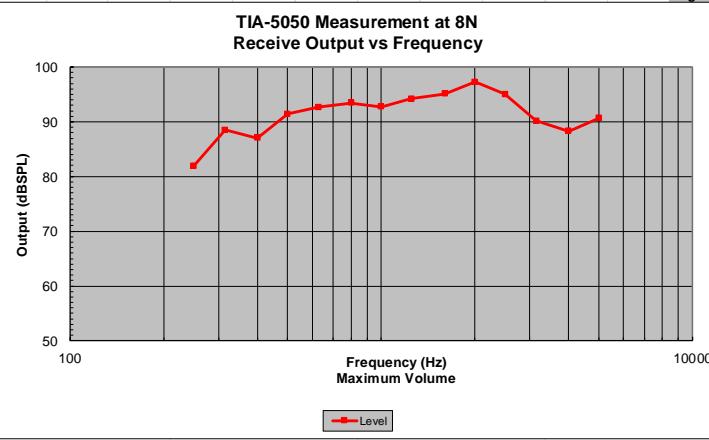


Test	Margin	Limits	Result
Recv PN-SDNR 8N	0.4 dB	Absolute Limits	PASS
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments: 24.4 kbps			

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.86 dB	Absolute Limits	PASS	5/28/2024 12:54
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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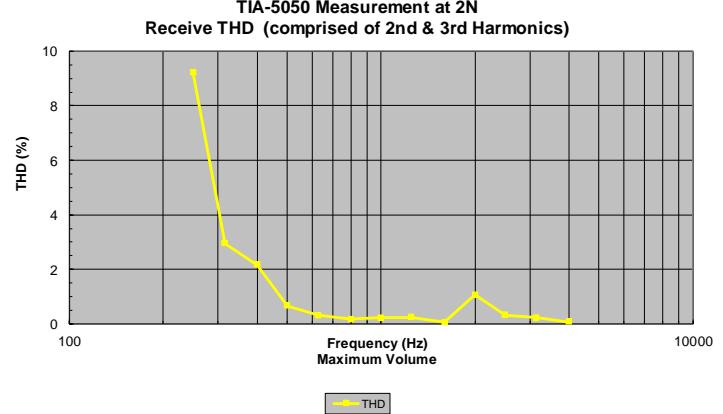
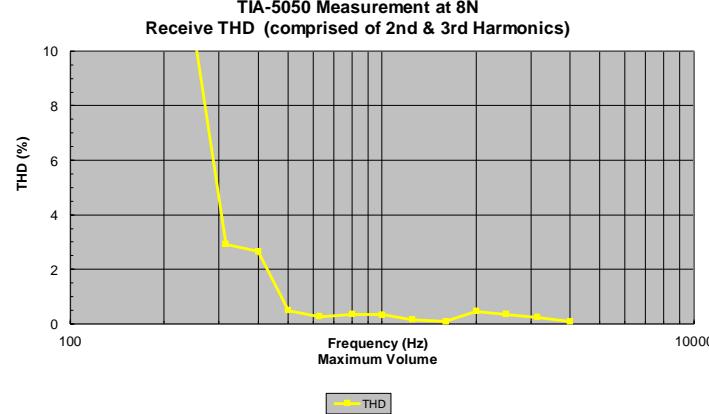
Test Date
5/28/2024 12:54
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 12:54
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

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Test Date
5/28/2024 12:54
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Test Date
5/28/2024 12:54
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa
Short conditioning -20 dBPa

Comments: 24.4 kbps

Comments: 24.4 kbps

NR n25 EVS-NB: 9.6 kbps
Conversational Gain & Frequency Response Report

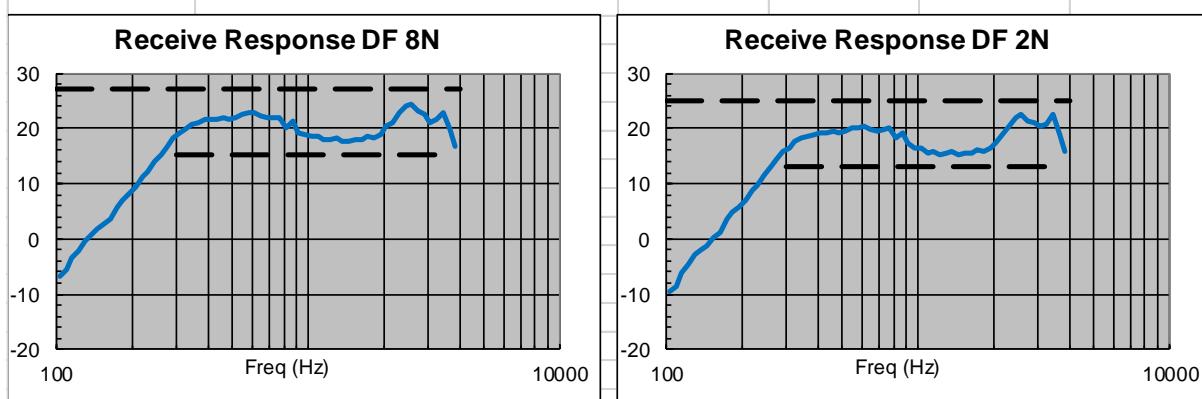
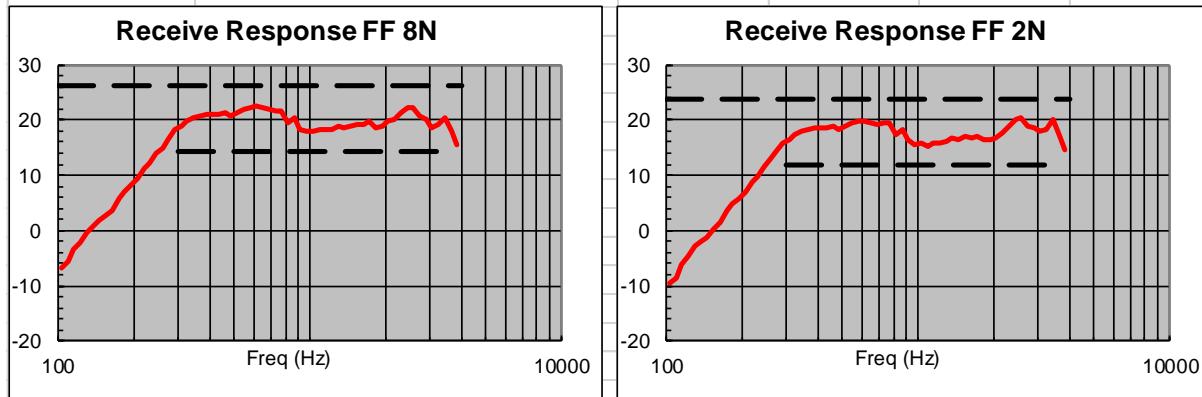
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n25 EVS-NB
Bandwidth	Narrowband
Test Date:	5/29/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	3.75 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.62 dB	Floating Limits	PASS	
	Recv resp FF 2N	3.35 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.32 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.32 dB	info only		
	Recv conversational gain 8N	21.32 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.88 dB	info only		
	Recv conversational gain 2N	18.88 dB	6.00	PASS	

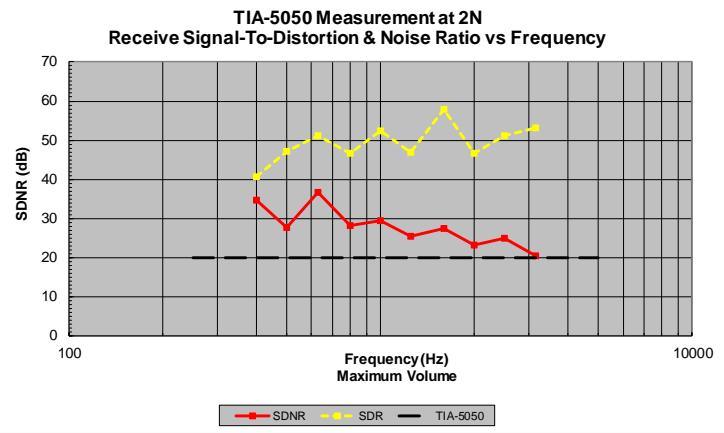
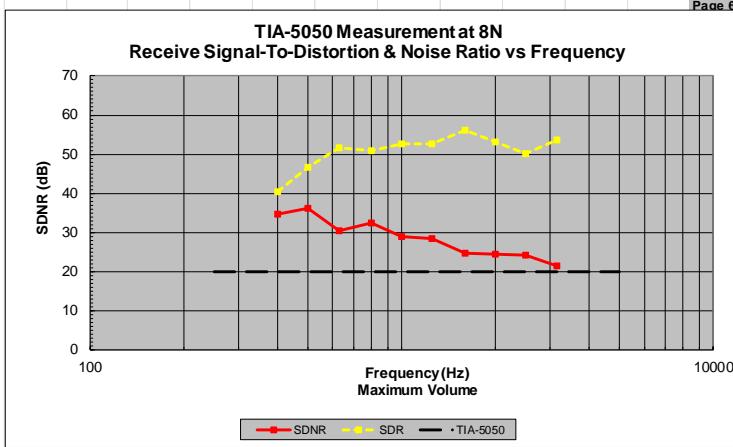
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.5 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.57 dB	Absolute Limits	PASS	

NR n25 EVS-NB: 9.6 kbps Distortion Report

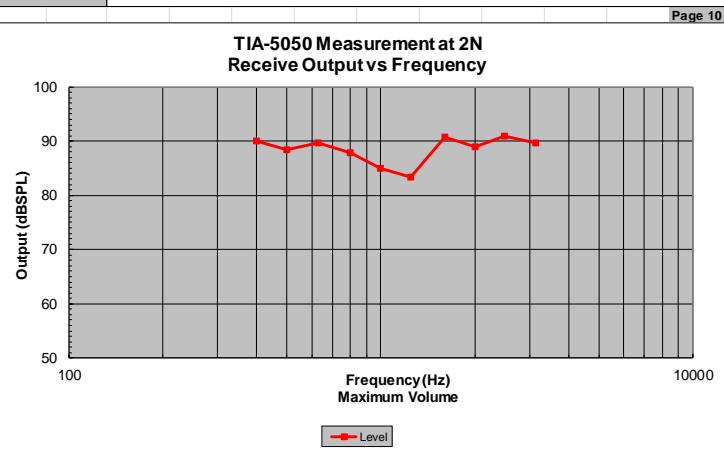
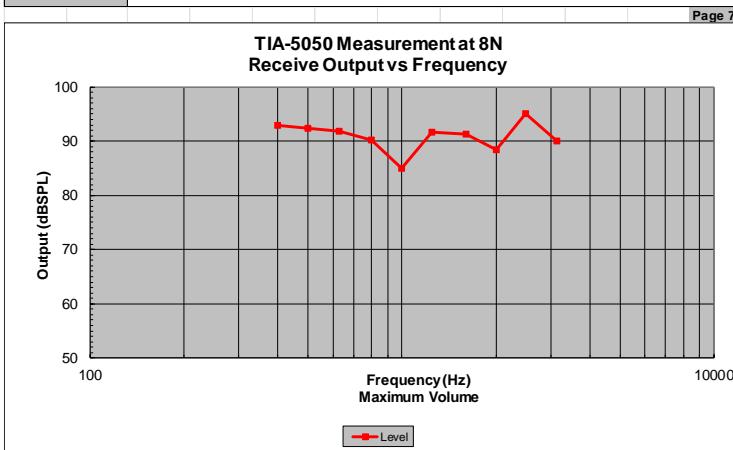
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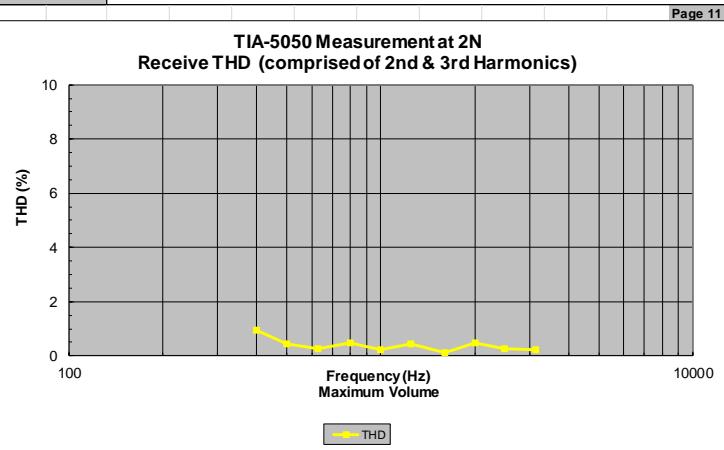
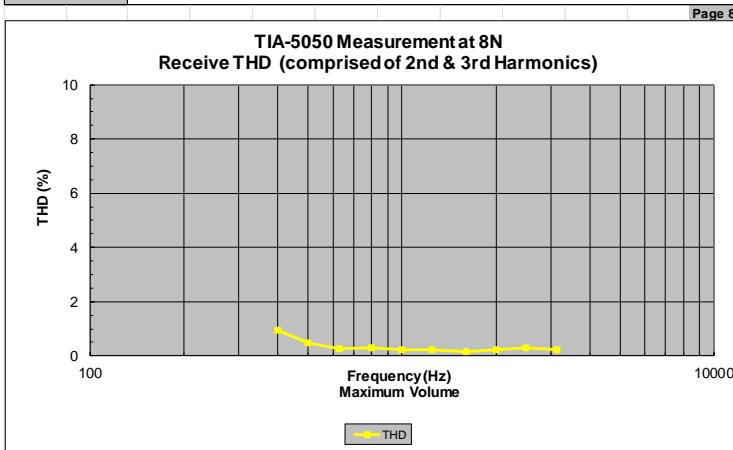
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	1.5 dB	Absolute Limits	PASS	5/29/2024 17:34
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 9.6 kbps				

Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.57 dB	Absolute Limits	PASS	5/29/2024 17:34
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 9.6 kbps				



Comments:	9.6 kbps	Test Date
		5/29/2024 17:34
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

Comments:	9.6 kbps	Test Date
		5/29/2024 17:34
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa



Comments:	9.6 kbps	Test Date
		5/29/2024 17:34
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

Comments:	9.6 kbps	Test Date
		5/29/2024 17:34
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

NR n25 EVS-WB: 24.4 kbps
Conversational Gain & Frequency Response Report

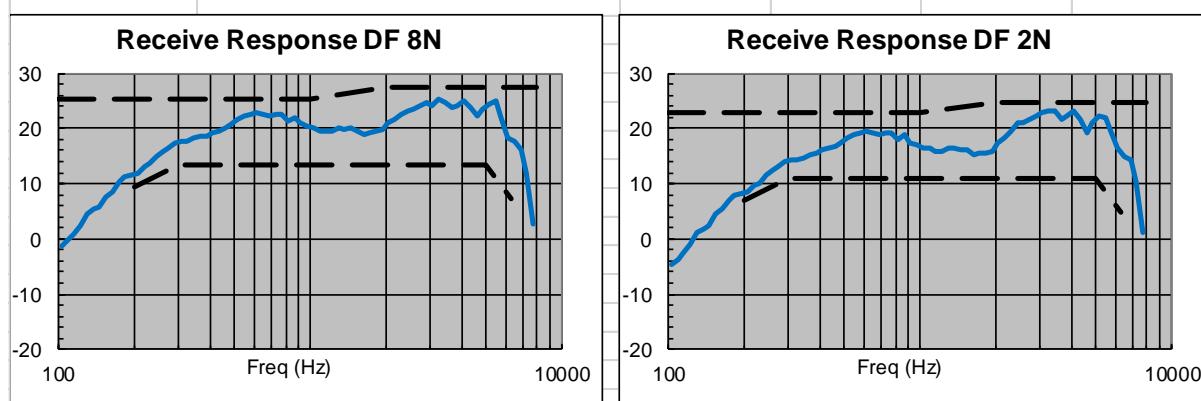
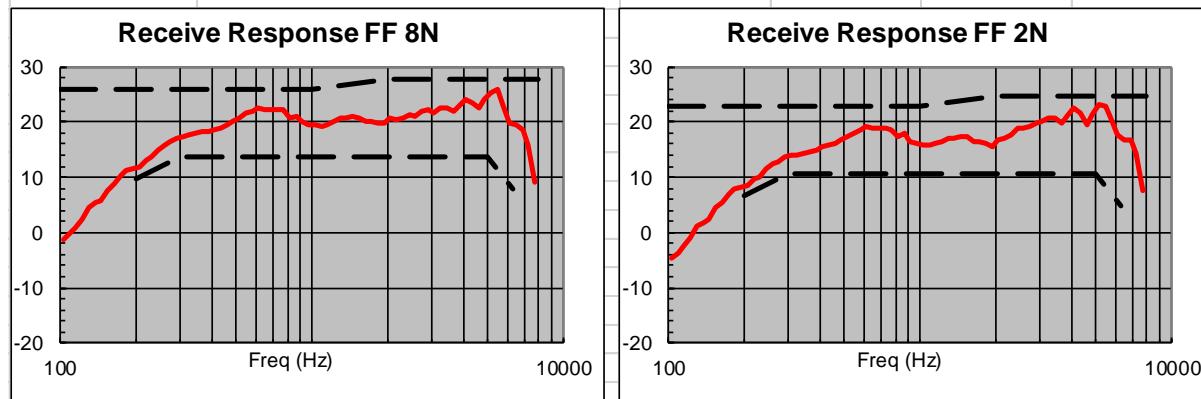
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n25 EVS-WB
Bandwidth	Wideband
Test Date:	5/29/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.91 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.2 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.65 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.5 dB	Floating Limits	PASS	



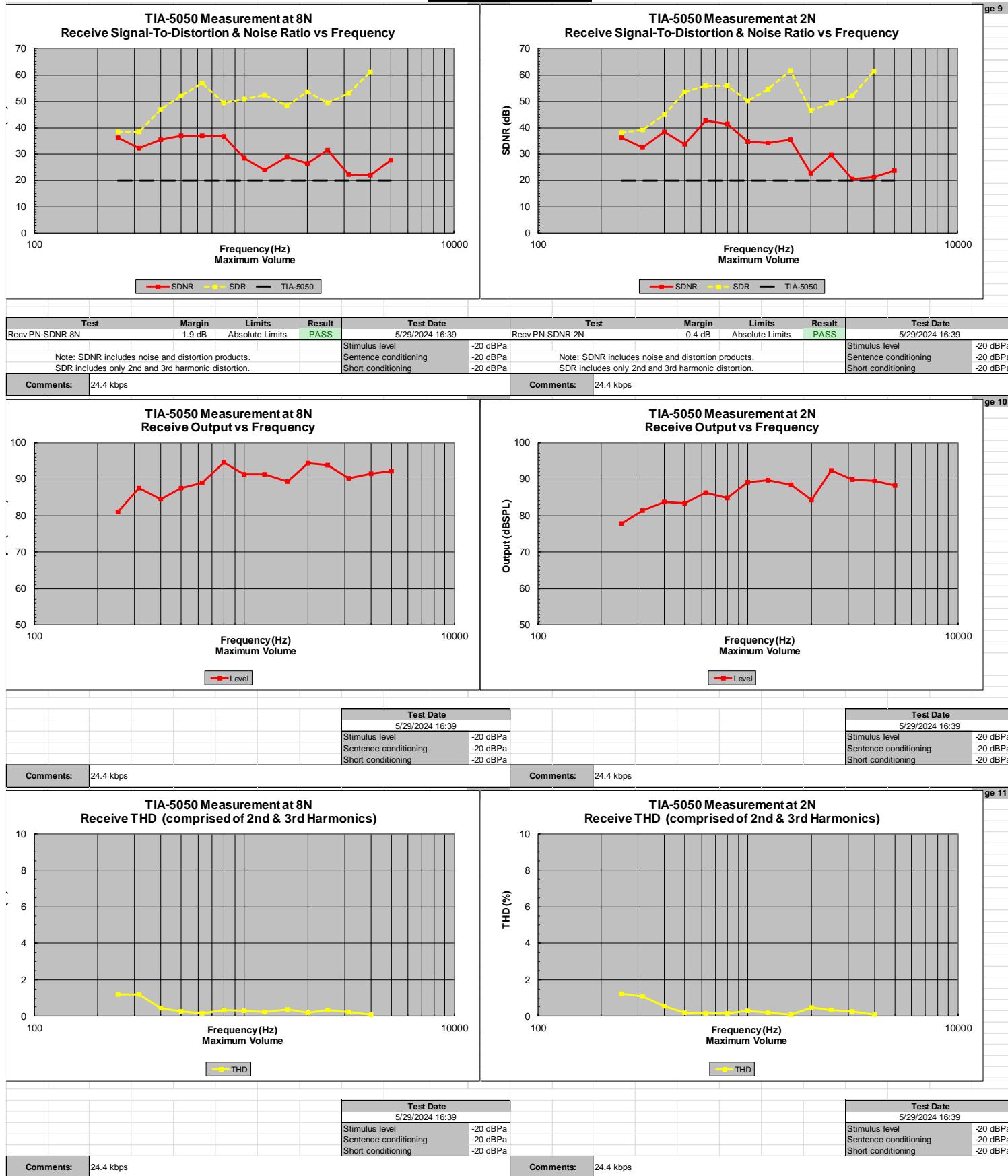
Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.04 dB	info only		
	Recv conversational gain 8N	21.04 dB	18.00	PASS	
	Recv output level dB SPL 2N	87.74 dB	info only		
	Recv conversational gain 2N	17.74 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.9 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.4 dB	Absolute Limits	PASS	

NR n25 EVS-WB: 24.4 kbps Distortion Report



NR n7 EVS-WB: 24.4 kbps
Conversational Gain & Frequency Response Report

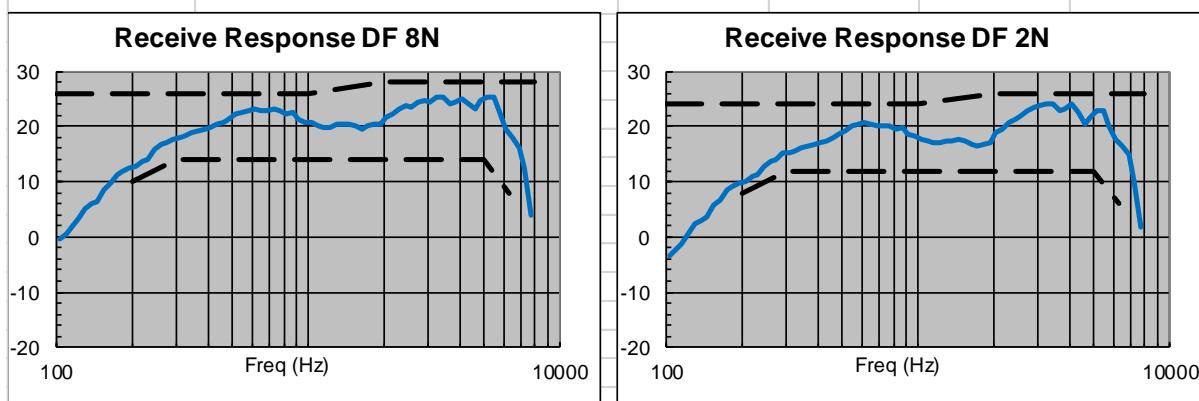
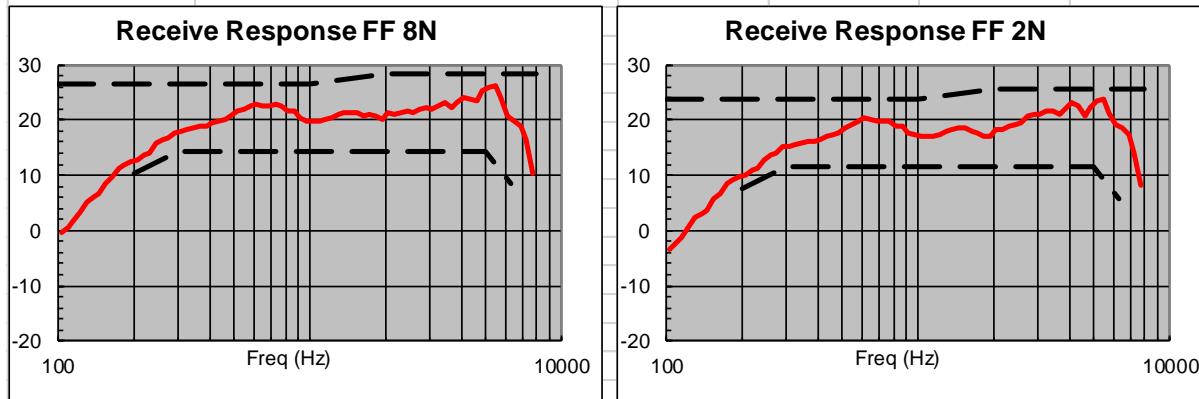
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n7 EVS-WB
Bandwidth	Wideband
Test Date:	5/29/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	2.11 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.6 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.96 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.7 dB	Floating Limits	PASS	



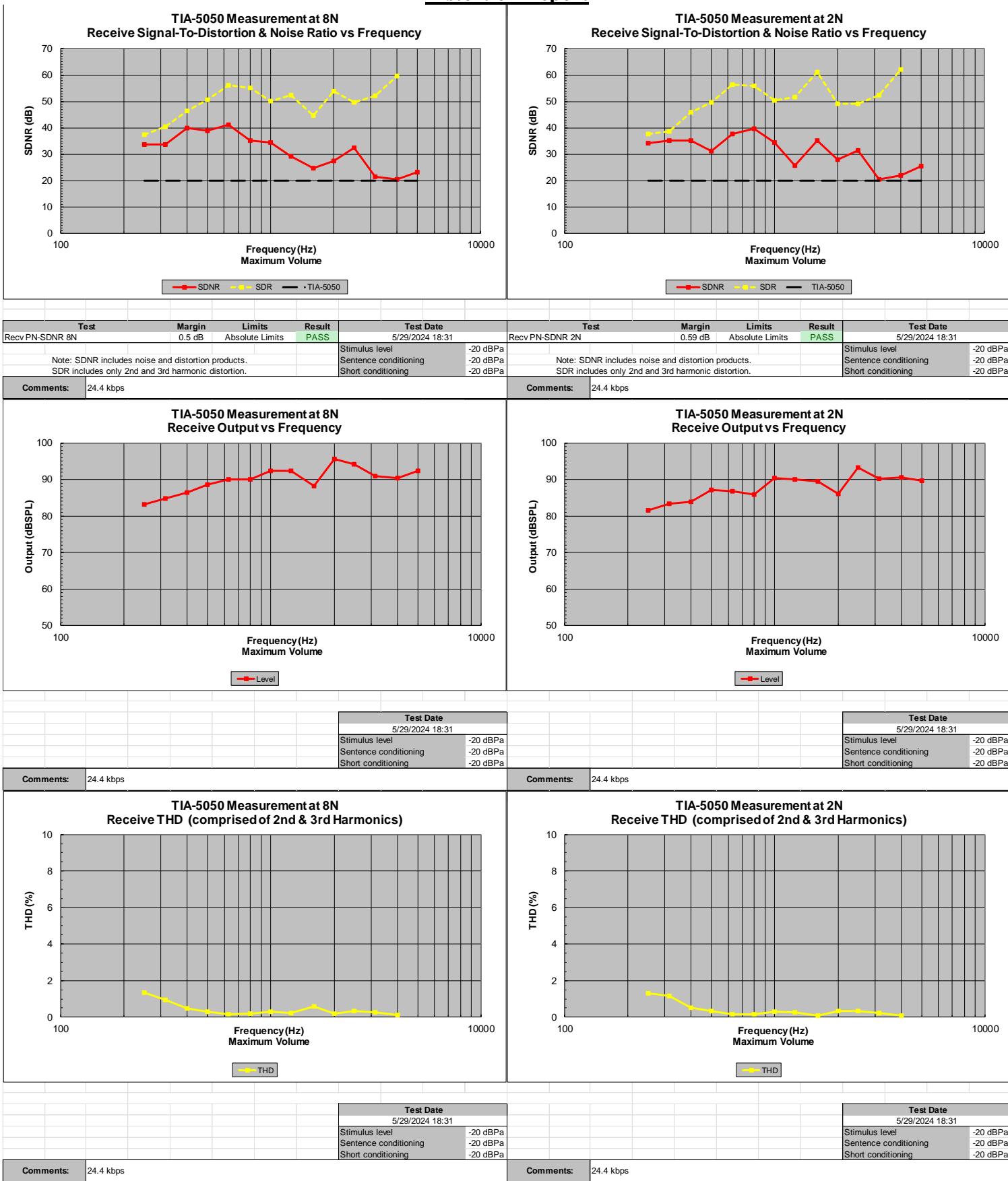
Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.6 dB	info only		
	Recv conversational gain 8N	21.6 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.88 dB	info only		
	Recv conversational gain 2N	18.88 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.5 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.59 dB	Absolute Limits	PASS	

NR n7 EVS-WB: 24.4 kbps Distortion Report



NR n12 EVS-WB: 24.4 kbps
Conversational Gain & Frequency Response Report

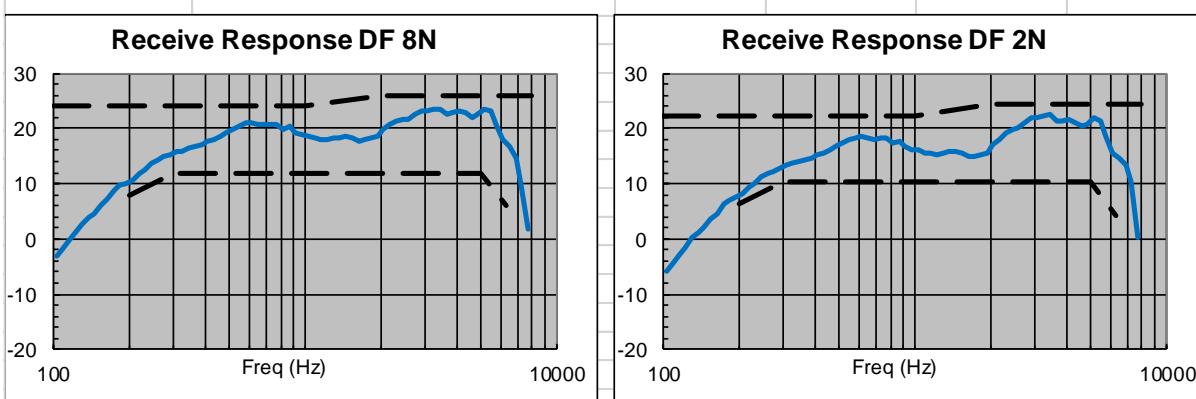
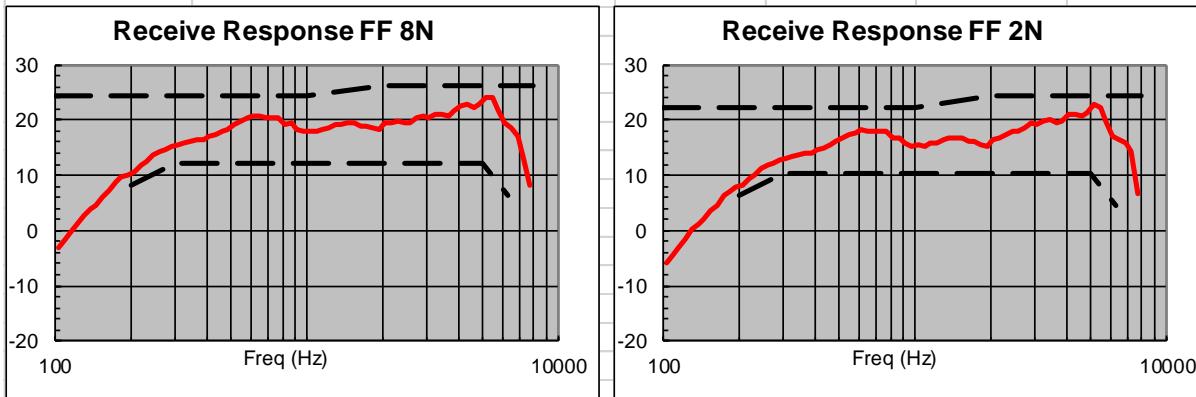
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n12 EVS-WB
Bandwidth	Wideband
Test Date:	5/29/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	2.15 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.4 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.63 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.7 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	89.45 dB	info only		
	Recv conversational gain 8N	19.45 dB	18.00	PASS	
	Recv output level dB SPL 2N	86.99 dB	info only		
	Recv conversational gain 2N	16.99 dB	6.00	PASS	

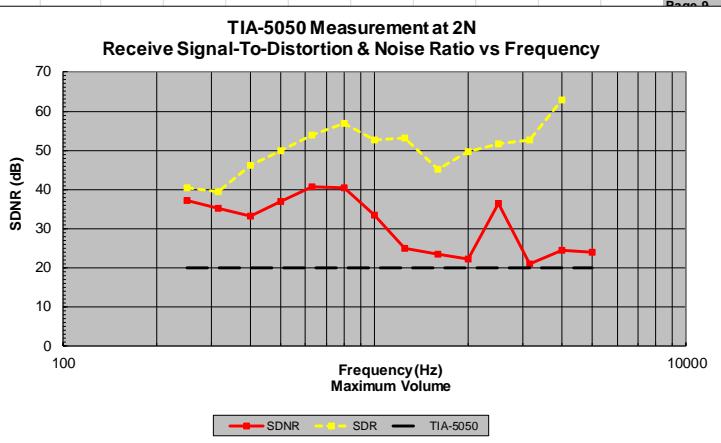
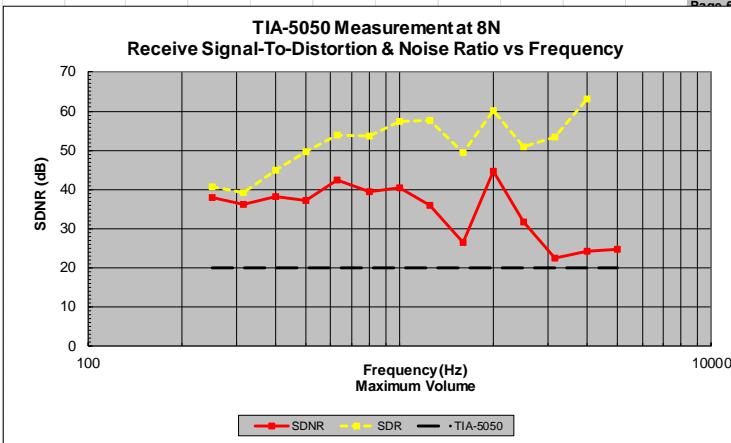
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	2.6 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.05 dB	Absolute Limits	PASS	

NR n12 EVS-WB: 24.4 kbps Distortion Report

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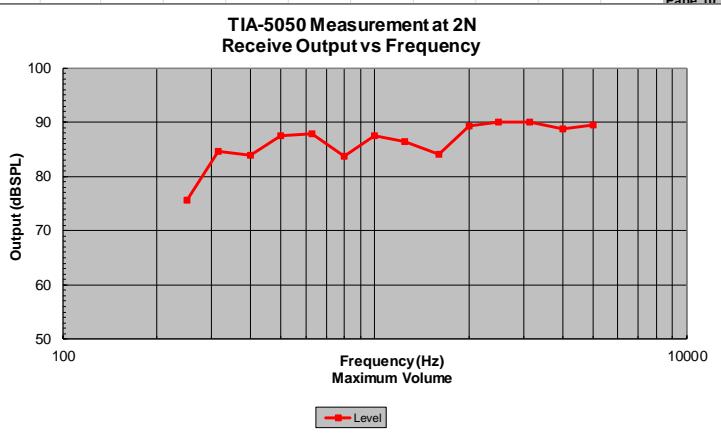
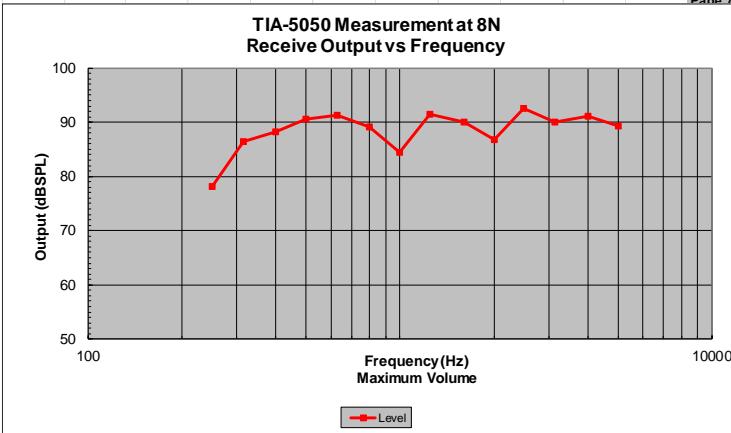


Test	Margin	Limits	Result
Recv PN-SDNR 8N	2.6 dB	Absolute Limits	PASS
<hr/>			
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.			
Comments:	24.4 kbps		

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	1.05 dB	Absolute Limits	PASS	5/29/2024 21:52
<hr/>				
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments:	24.4 kbps			

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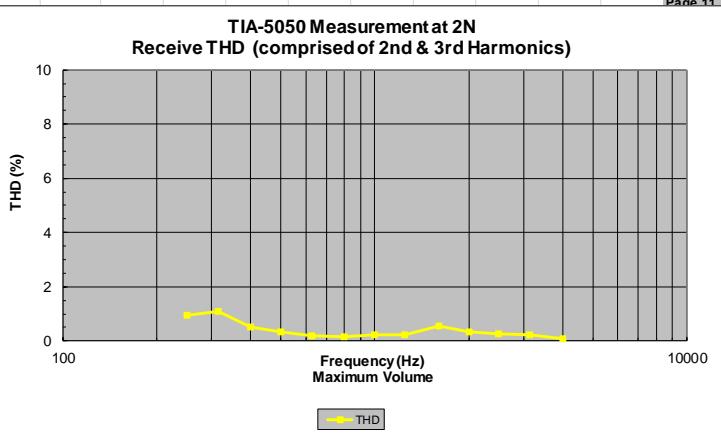
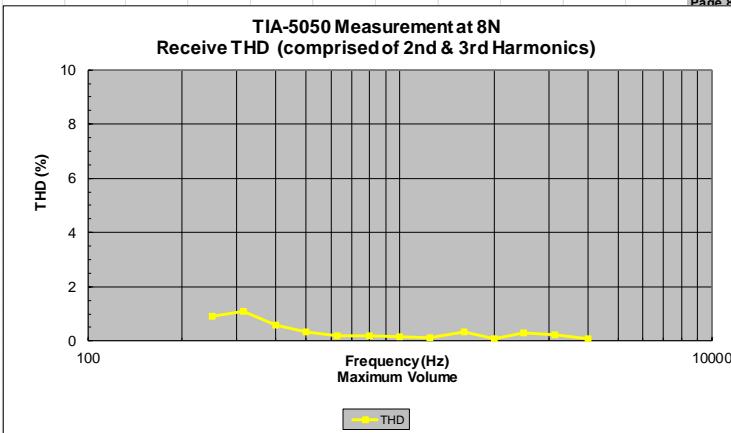


Comments:	24.4 kbps
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Test Date	5/29/2024 21:52
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-20 dBPa

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Comments:	24.4 kbps
<hr/>	
Test Date	5/29/2024 21:52
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-20 dBPa

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Comments:	24.4 kbps
<hr/>	
Test Date	5/29/2024 21:52
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-20 dBPa

Comments:	24.4 kbps
<hr/>	
Test Date	5/29/2024 21:52
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-20 dBPa

NR n30 EVS-WB: 24.4 kbps
Conversational Gain & Frequency Response Report

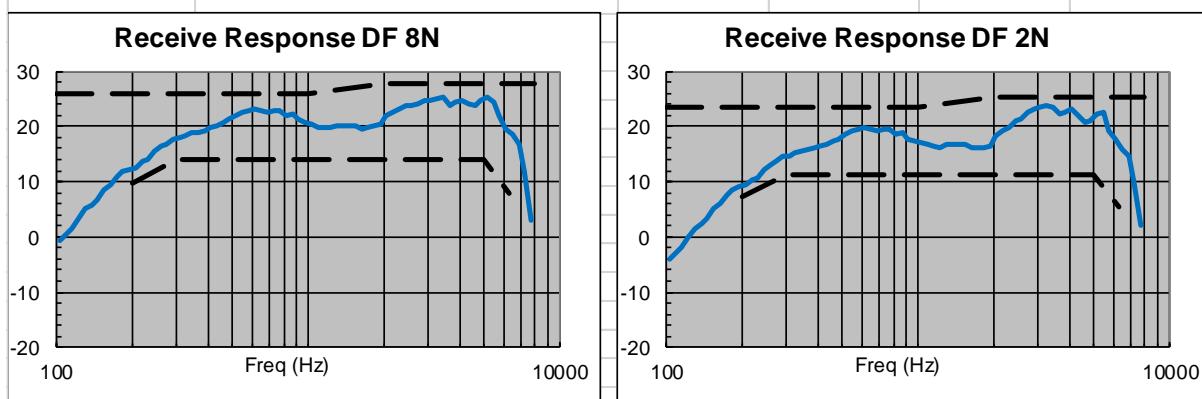
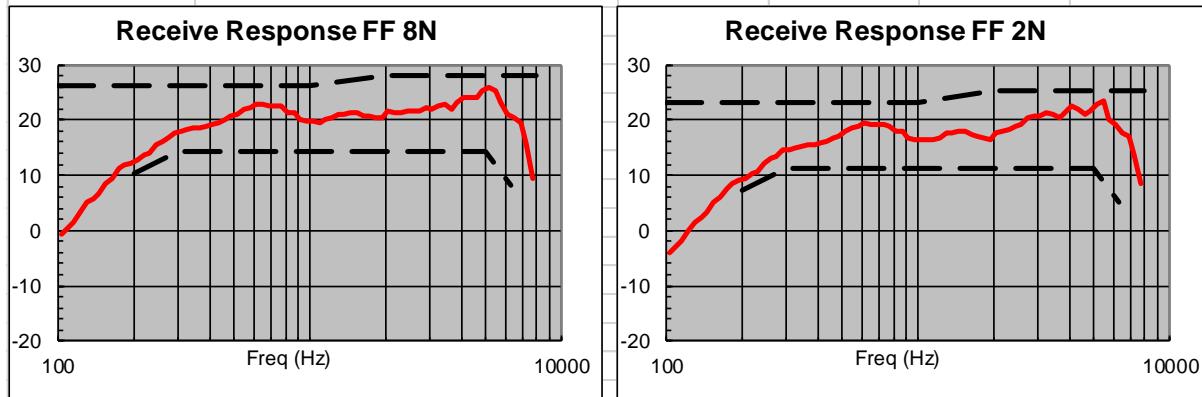
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n30 EVS-WB
Bandwidth	Wideband
Test Date:	5/29/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	2.2 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.5 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.77 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.7 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.47 dB	info only		
	Recv conversational gain 8N	21.47 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.21 dB	info only		
	Recv conversational gain 2N	18.21 dB	6.00	PASS	

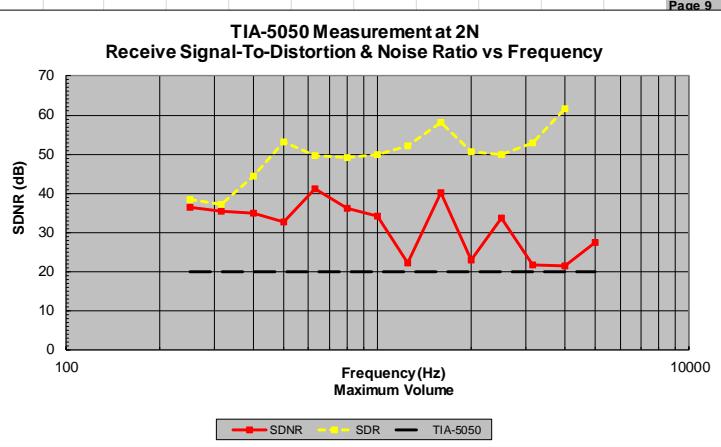
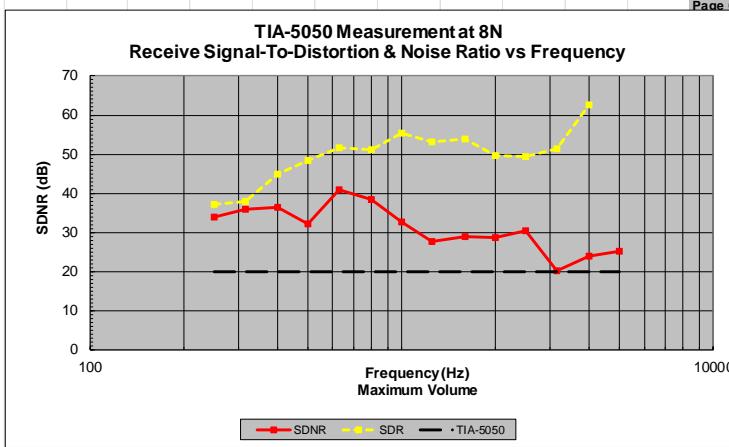
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.2 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.41 dB	Absolute Limits	PASS	

NR n30 EVS-WB: 24.4 kbps Distortion Report

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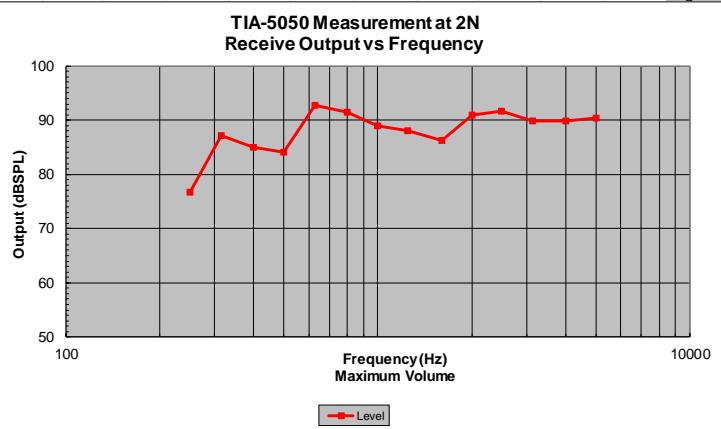
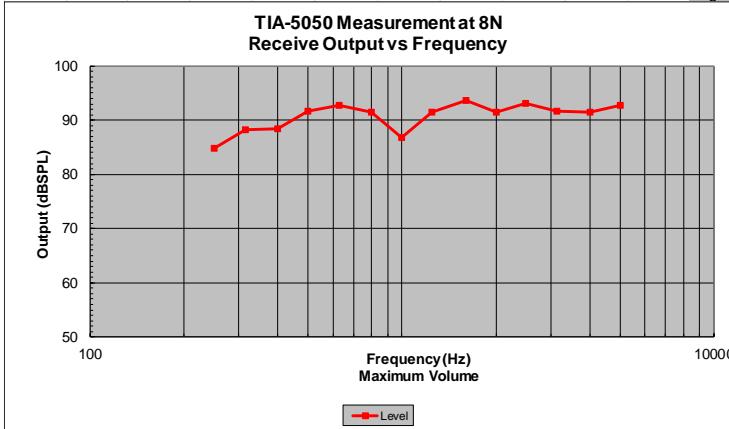


Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	0.2 dB	Absolute Limits	PASS	5/29/2024 19:25
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	1.41 dB	Absolute Limits	PASS	5/29/2024 19:25
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

Page 10

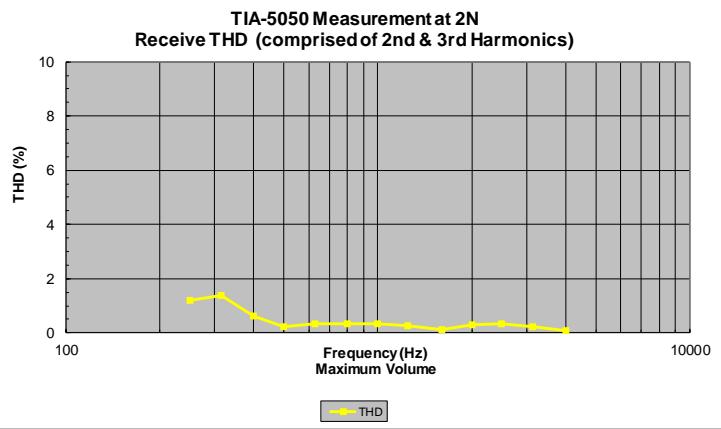
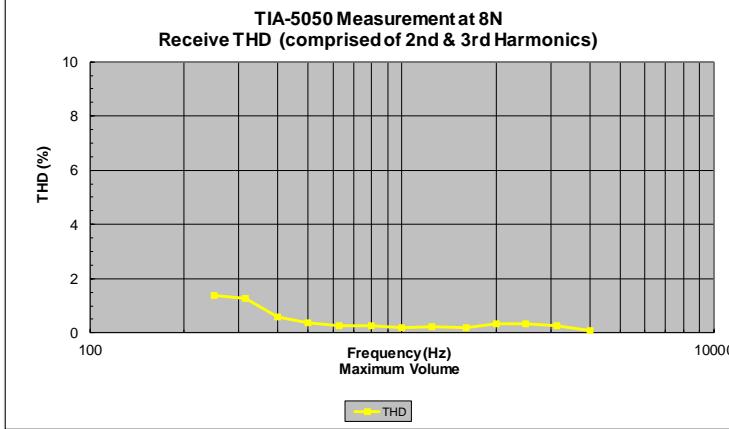


Comments:	24.4 kbps	Test Date
		5/29/2024 19:25
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

Page 8

Comments:	24.4 kbps	Test Date
		5/29/2024 19:25
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

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Comments:	24.4 kbps	Test Date
		5/29/2024 19:25
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

Comments:	24.4 kbps	Test Date
		5/29/2024 19:25
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

NR n41 PC3 EVS-WB: 24.4 kbps
Conversational Gain & Frequency Response Report

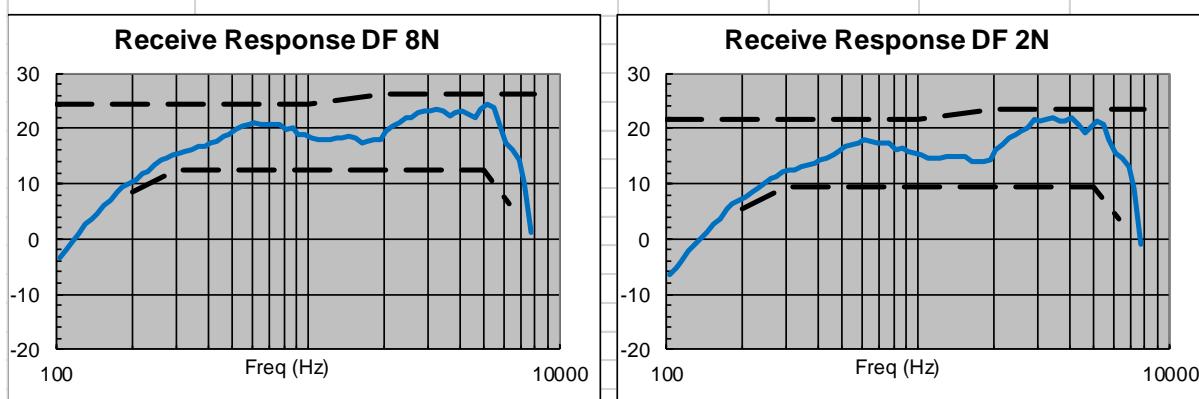
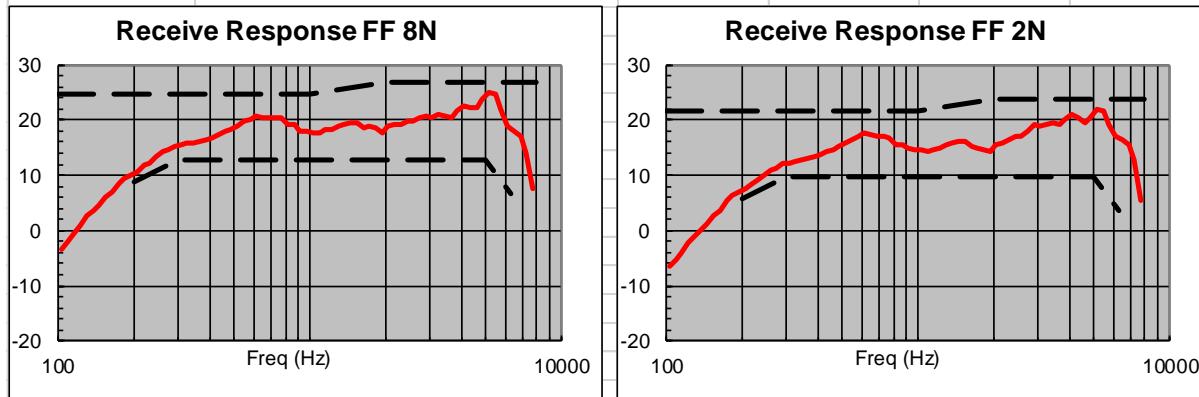
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n41 PC3 EVS-WB
Bandwidth	Wideband
Test Date:	5/29/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.74 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.1 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.57 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.6 dB	Floating Limits	PASS	



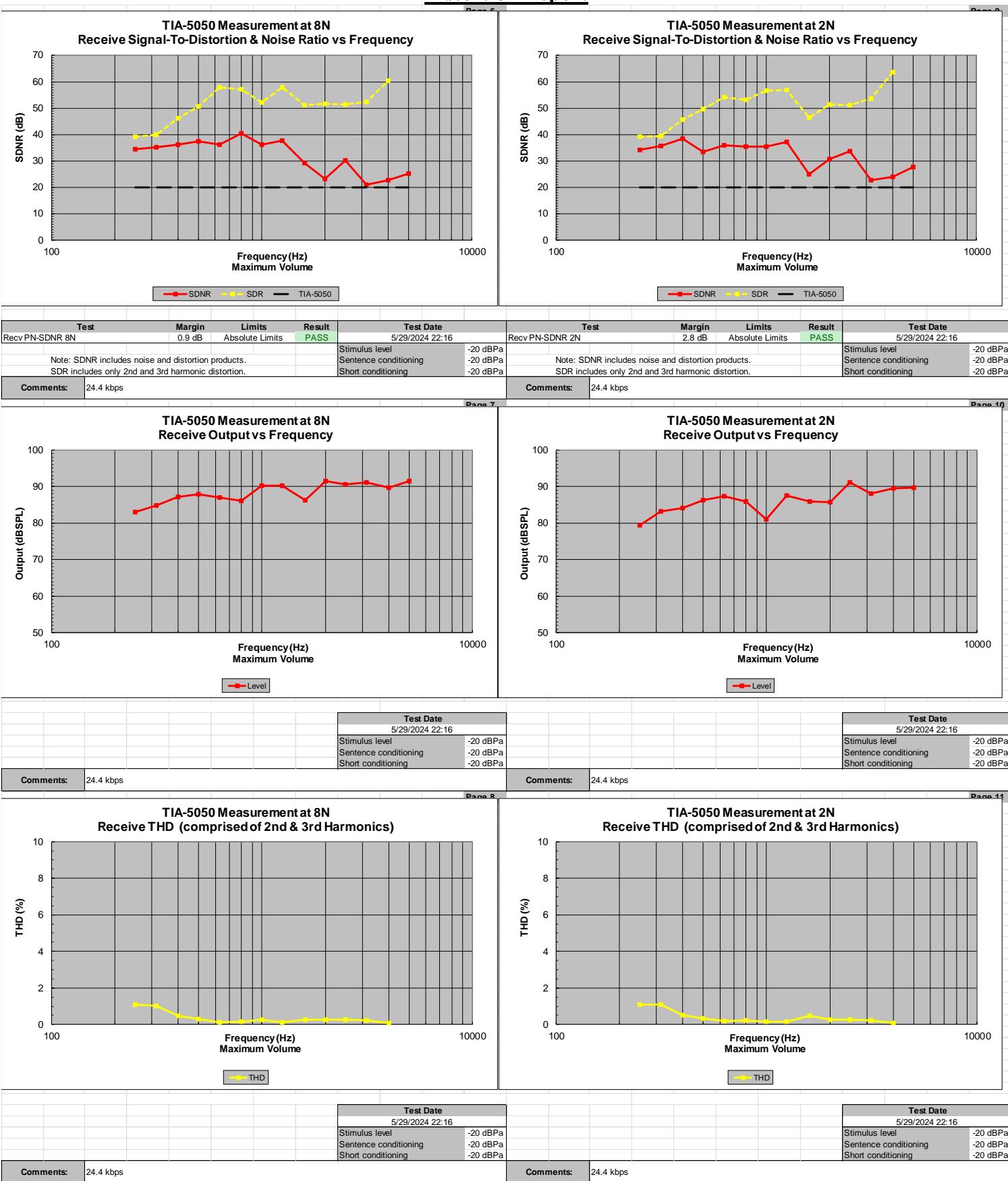
Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	89.33 dB	info only		
	Recv conversational gain 8N	19.33 dB	18.00	PASS	
	Recv output level dB SPL 2N	86.2 dB	info only		
	Recv conversational gain 2N	16.2 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.9 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	2.8 dB	Absolute Limits	PASS	

NR n41 PC3 EVS-WB: 24.4 kbps Distortion Report



NR n41 PC2 EVS-WB: 24.4 kbps
Conversational Gain & Frequency Response Report

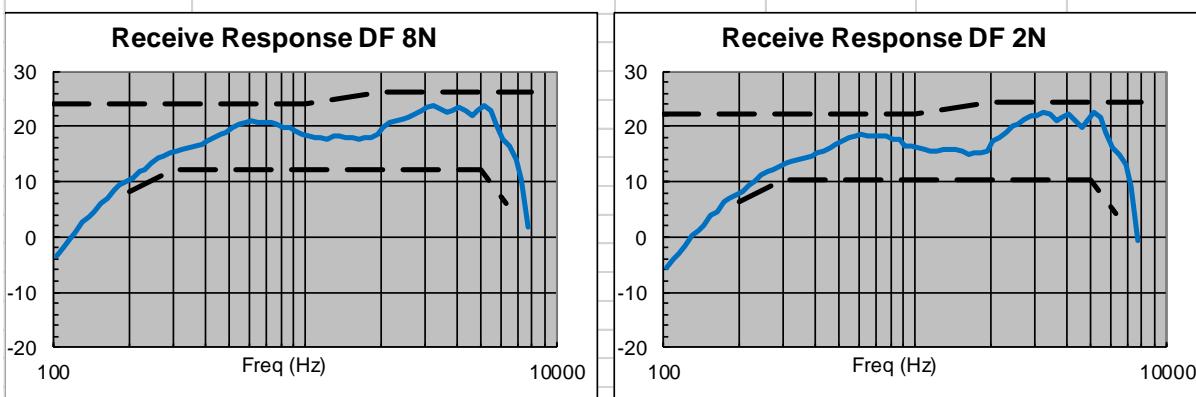
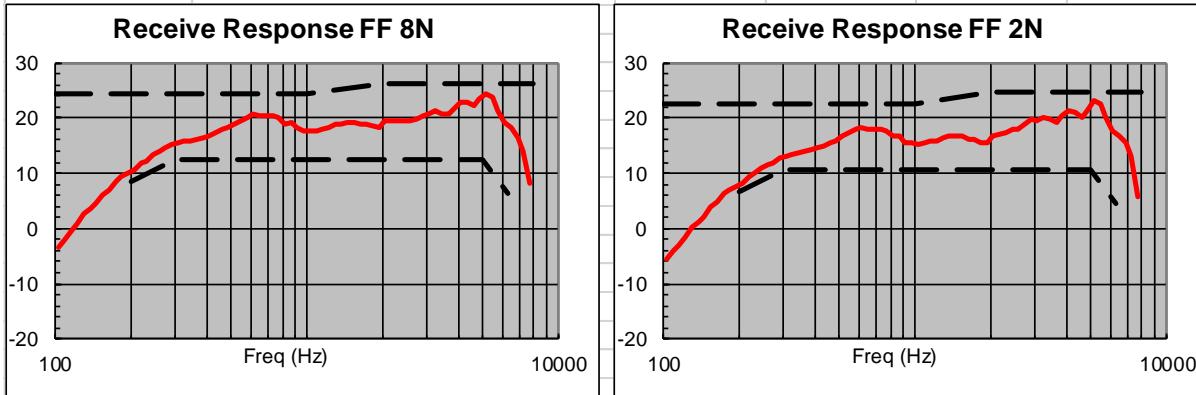
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n41 PC2 EVS-WB
Bandwidth	Wideband
Test Date:	5/29/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.97 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.2 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.43 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.7 dB	Floating Limits	PASS	



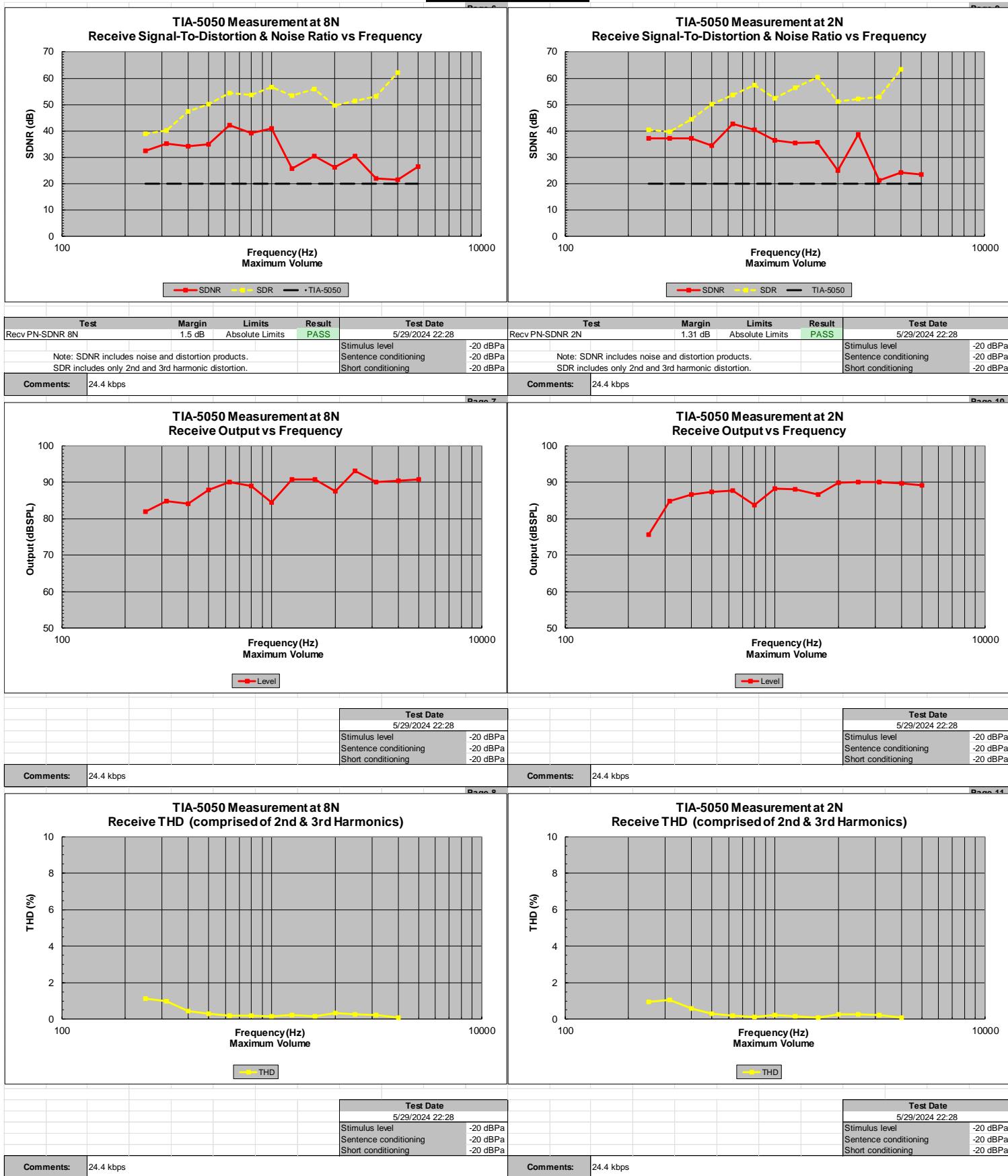
Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	89.3 dB	info only		
	Recv conversational gain 8N	19.3 dB	18.00	PASS	
	Recv output level dB SPL 2N	87.03 dB	info only		
	Recv conversational gain 2N	17.03 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.5 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.31 dB	Absolute Limits	PASS	

NR n41 PC2 EVS-WB: 24.4 kbps Distortion Report



NR n41 PC1.5 EVS-WB: 24.4 kbps
Conversational Gain & Frequency Response Report

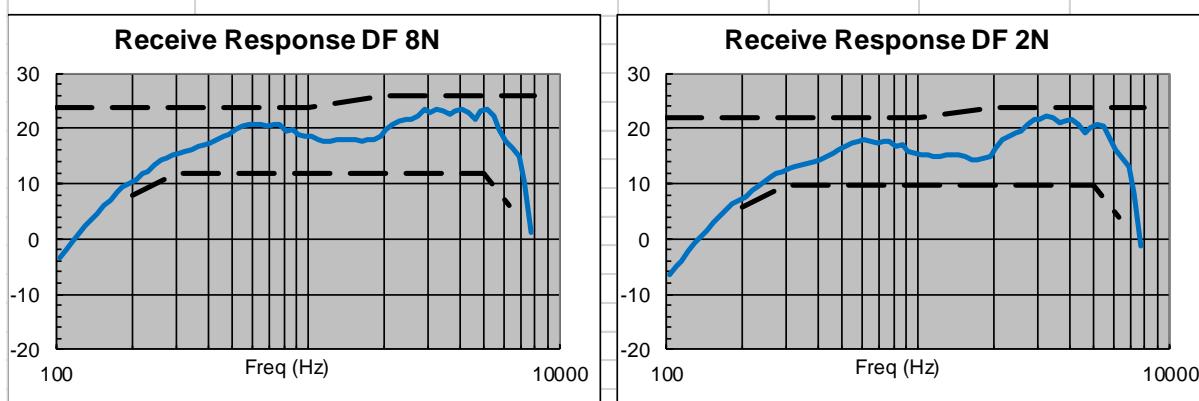
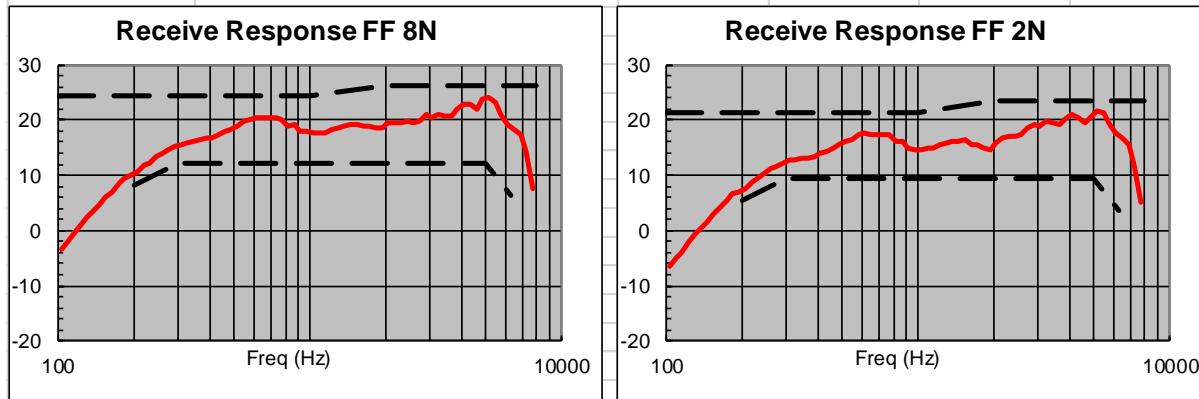
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n41 PC1.5 EVS-WB
Bandwidth	Wideband
Test Date:	5/29/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	2.05 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.3 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.92 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.5 dB	Floating Limits	PASS	



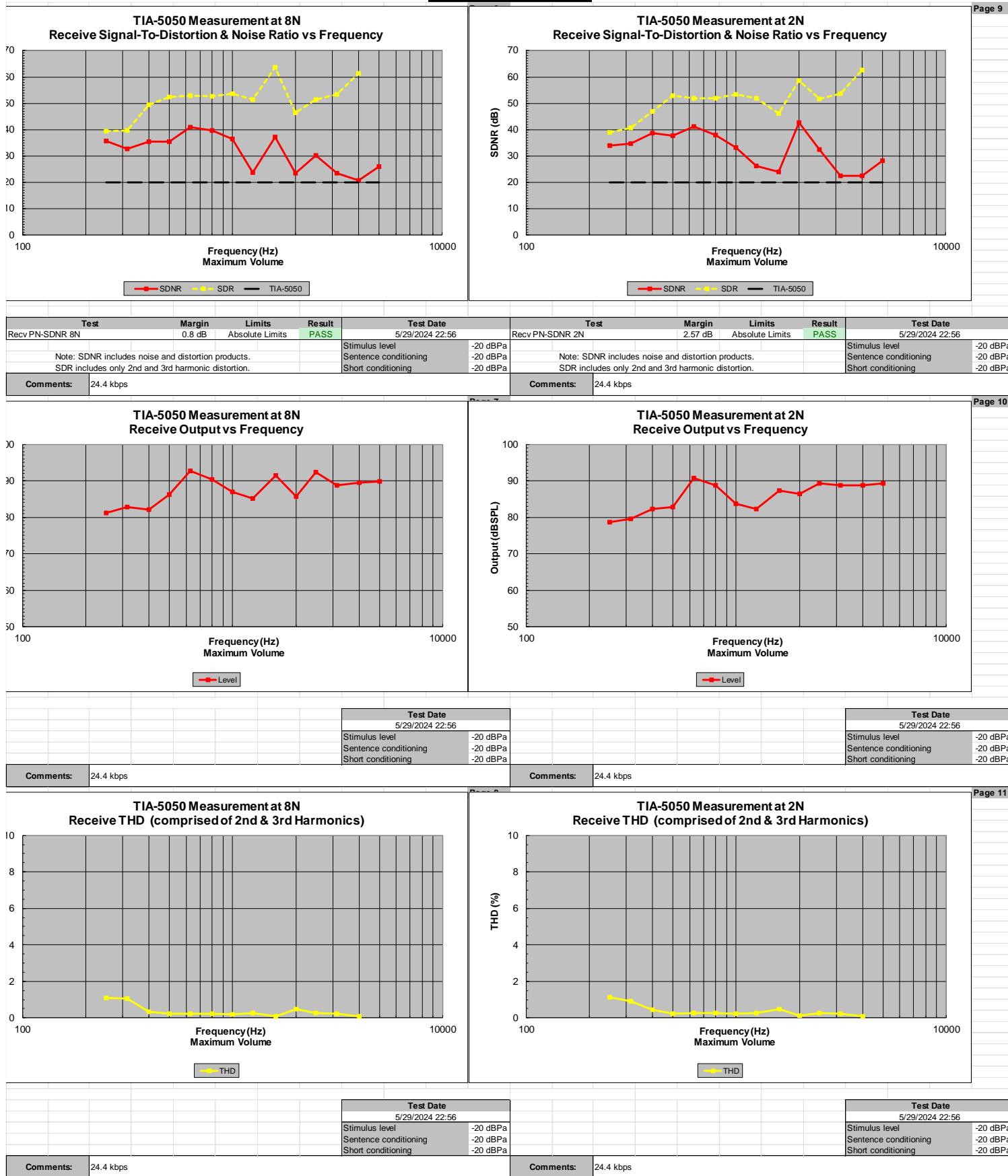
Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	89.27 dB	info only		
	Recv conversational gain 8N	19.27 dB	18.00	PASS	
	Recv output level dB SPL 2N	86.4 dB	info only		
	Recv conversational gain 2N	16.4 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.8 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	2.57 dB	Absolute Limits	PASS	

NR n41 PC1.5 EVS-WB: 24.4 kbps Distortion Report



NR n77 Block C EVS-WB: 24.4 kbps
Conversational Gain & Frequency Response Report

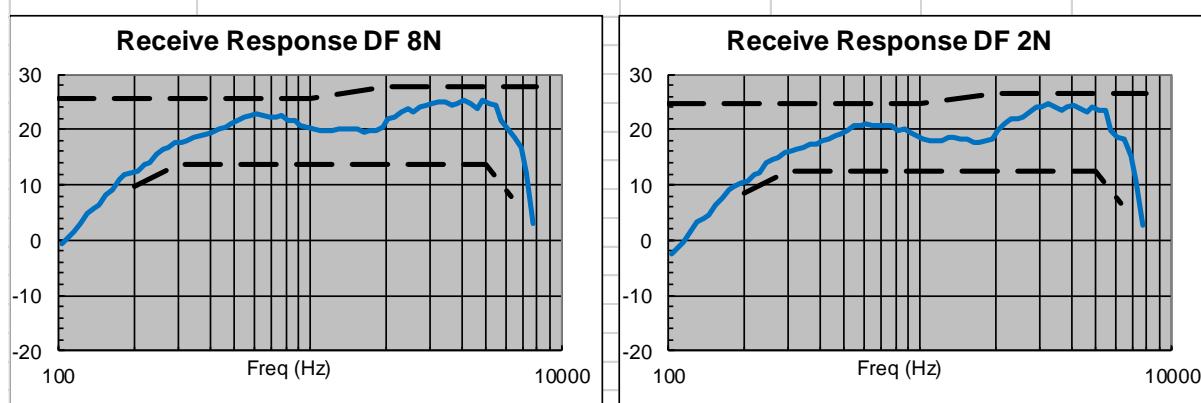
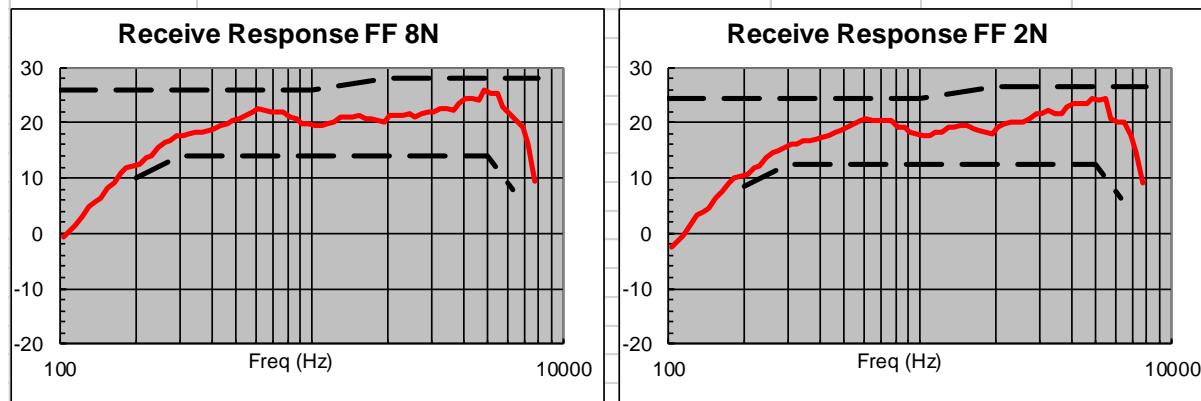
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	n77 Blk C EVS-WB
Bandwidth	Wideband
Test Date:	5/30/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	2.22 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.5 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.97 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.9 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	91.19 dB	info only		
	Recv conversational gain 8N	21.19 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.58 dB	info only		
	Recv conversational gain 2N	19.58 dB	6.00	PASS	

Distortion

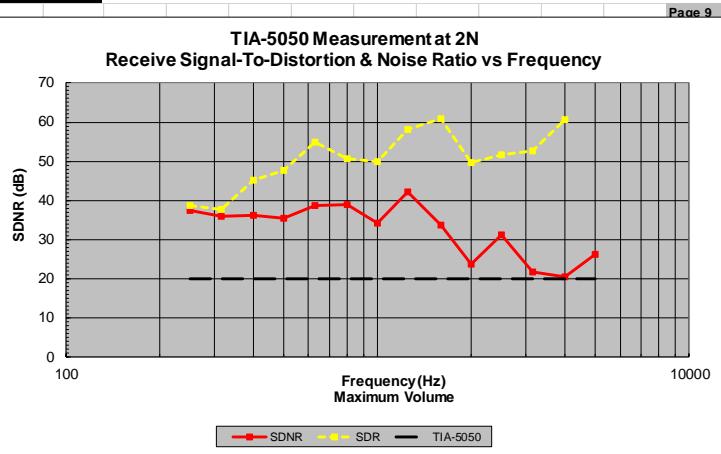
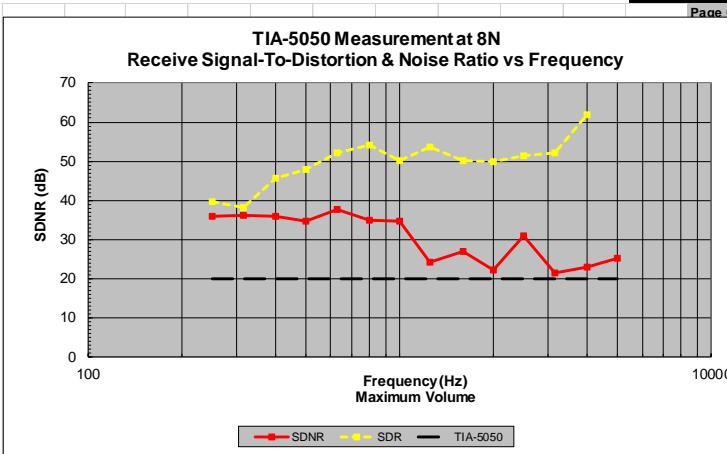
TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.4 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.49 dB	Absolute Limits	PASS	

NR n77 Block C EVS-WB: 24.4 kbps

Distortion Report

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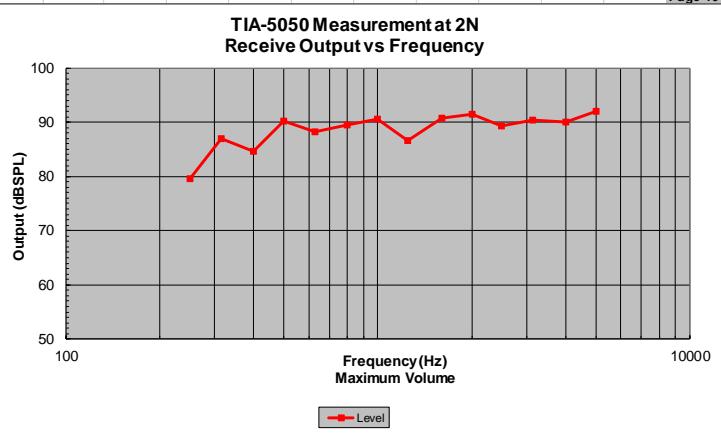
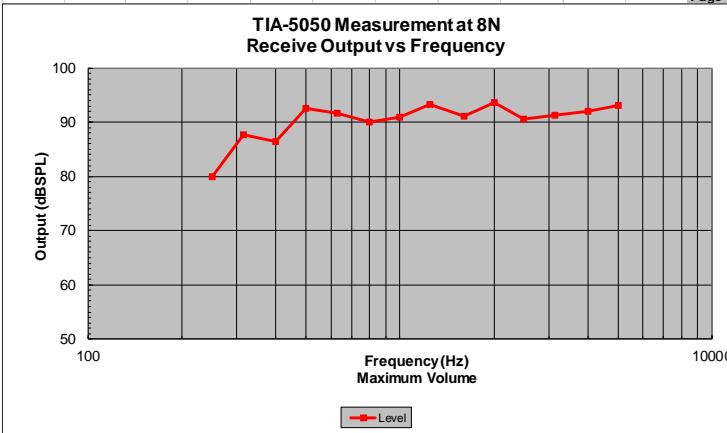


Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	1.4 dB	Absolute Limits	PASS	5/30/2024 5:26
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
Short conditioning -20 dBPa				
Comments:	24.4 kbps			

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.49 dB	Absolute Limits	PASS	5/30/2024 5:26
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
Short conditioning -20 dBPa				
Comments:	24.4 kbps			

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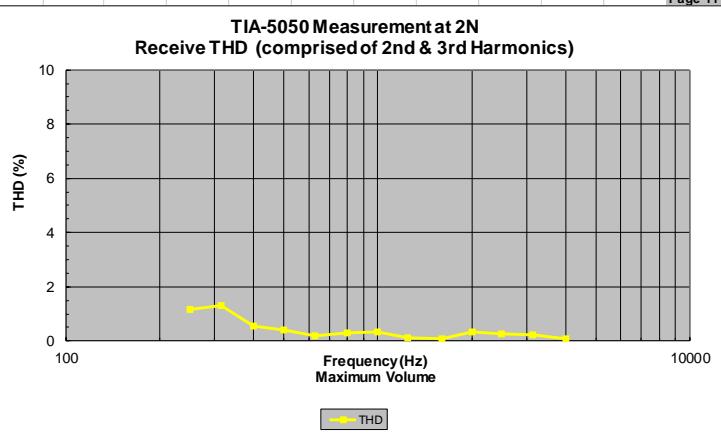
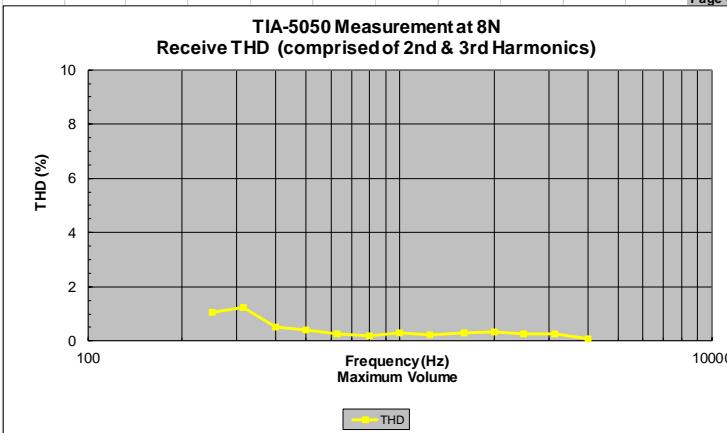


Comments:	24.4 kbps	Test Date
		5/30/2024 5:26
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

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Comments:	24.4 kbps	Test Date
		5/30/2024 5:26
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

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Comments:	24.4 kbps	Test Date
		5/30/2024 5:26
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

Comments:	24.4 kbps	Test Date
		5/30/2024 5:26
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -20 dBPa

Wi-Fi 2.4 GHz EVS-NB: 9.6 kbps CCK 5.5 Mbps
Conversational Gain & Frequency Response Report

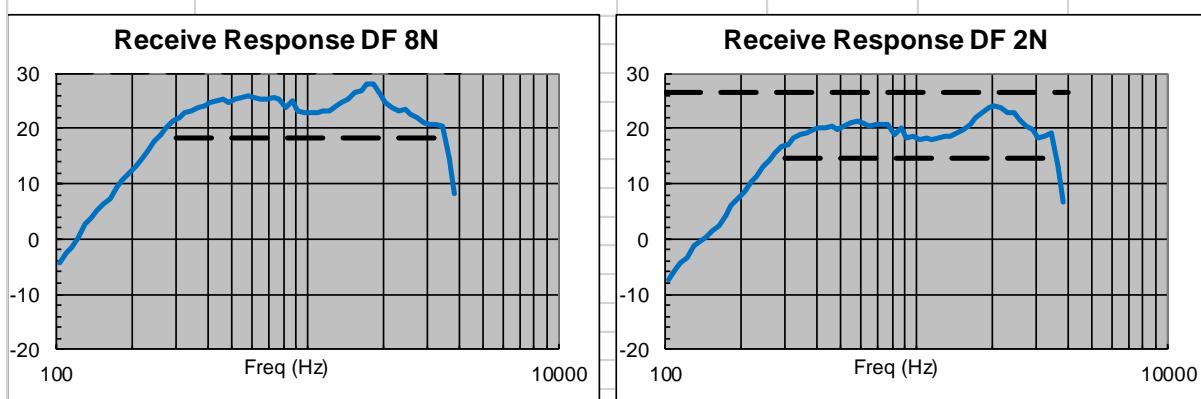
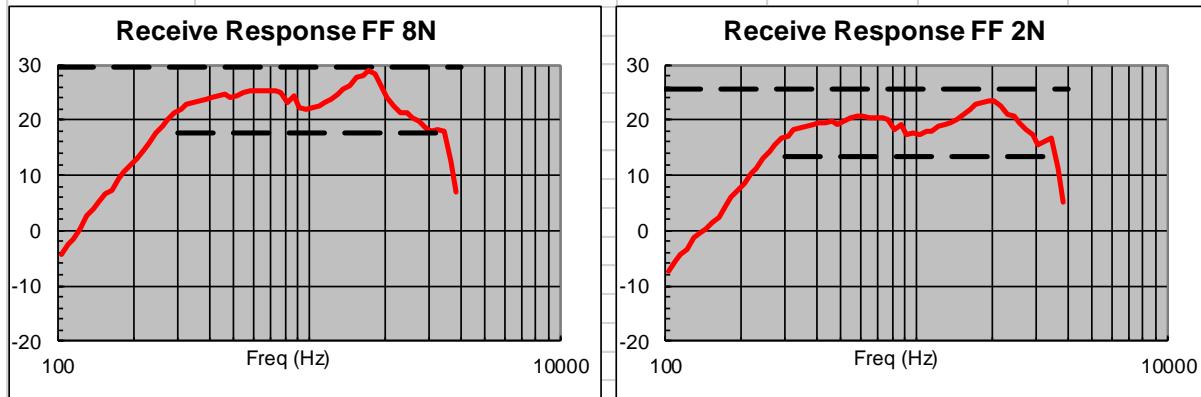
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11b EVS-NB
Bandwidth	Narrowband
Test Date:	6/4/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	0.46 dB	Floating Limits	PASS	
	Recv resp DF 8N	2.14 dB	Floating Limits	PASS	
	Recv resp FF 2N	2.01 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.47 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	94.88 dB	info only		
	Recv conversational gain 8N	24.88 dB	18.00	PASS	
	Recv output level dB SPL 2N	90.13 dB	info only		
	Recv conversational gain 2N	20.13 dB	6.00	PASS	

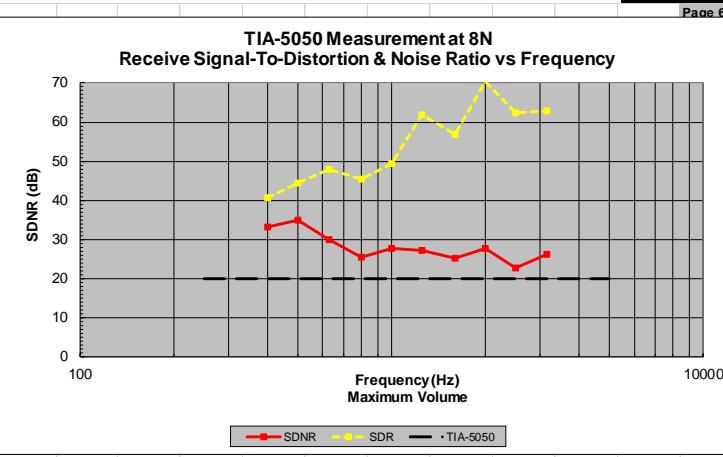
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	2.8 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	4.1 dB	Absolute Limits	PASS	

Wi-Fi 2.4 GHz EVS-NB: 9.6 kbps CCK 5.5 Mbps Distortion Report

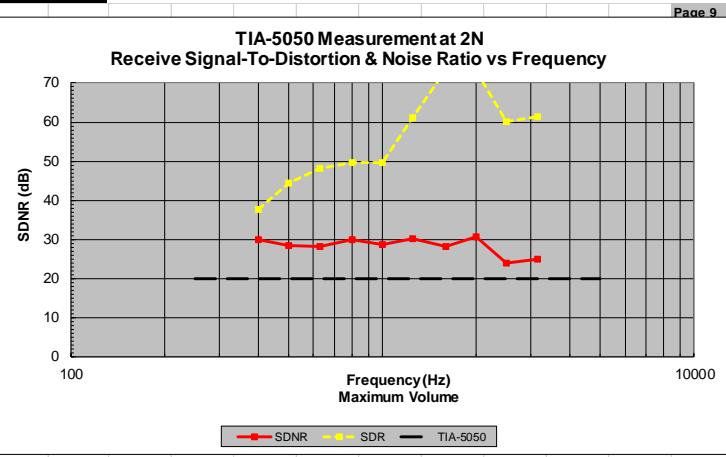
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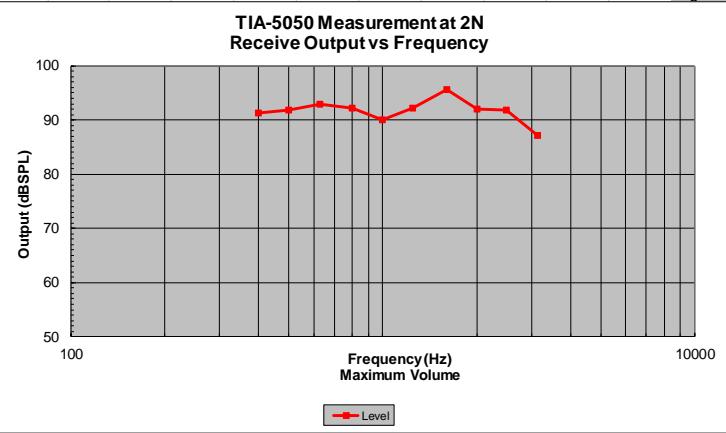
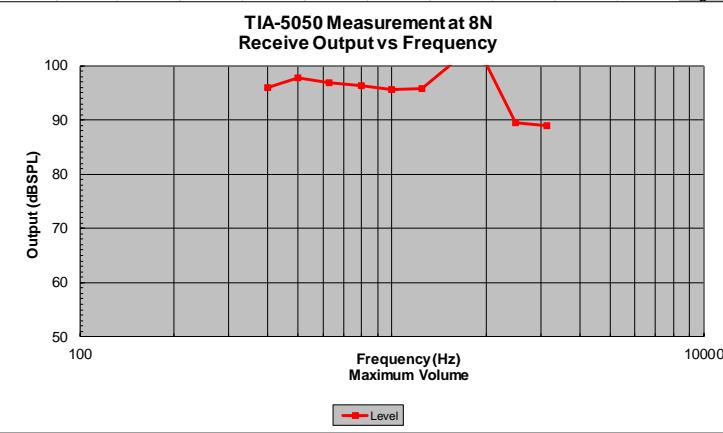
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	2.8 dB	Absolute Limits	PASS	6/4/2024 20:33
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 9.6 kbps				

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	4.1 dB	Absolute Limits	PASS	6/4/2024 20:33
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 9.6 kbps				

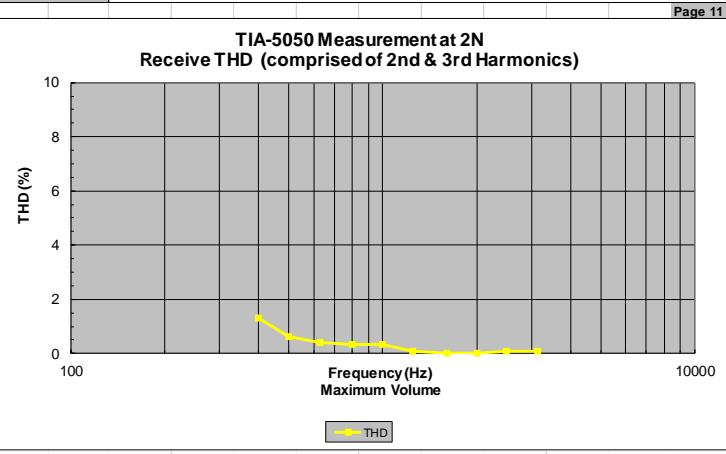
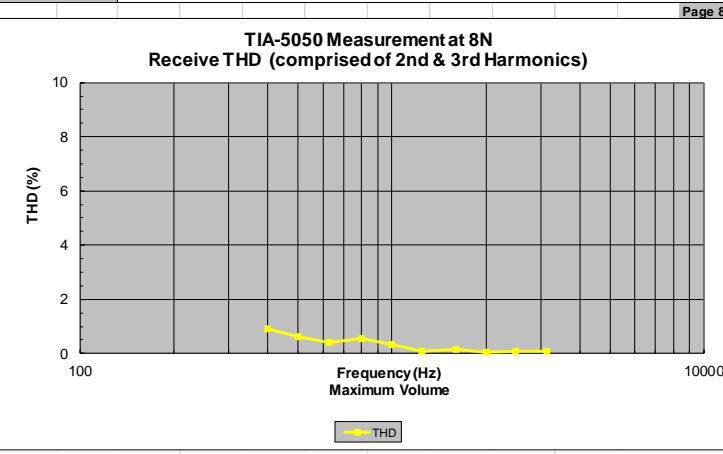
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Comments:	9.6 kbps	Test Date
		6/4/2024 20:33
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Comments:	9.6 kbps	Test Date
		6/4/2024 20:33
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	9.6 kbps	Test Date
		6/4/2024 20:33
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Comments:	9.6 kbps	Test Date
		6/4/2024 20:33
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps CCK 11 Mbps
Conversational Gain & Frequency Response Report

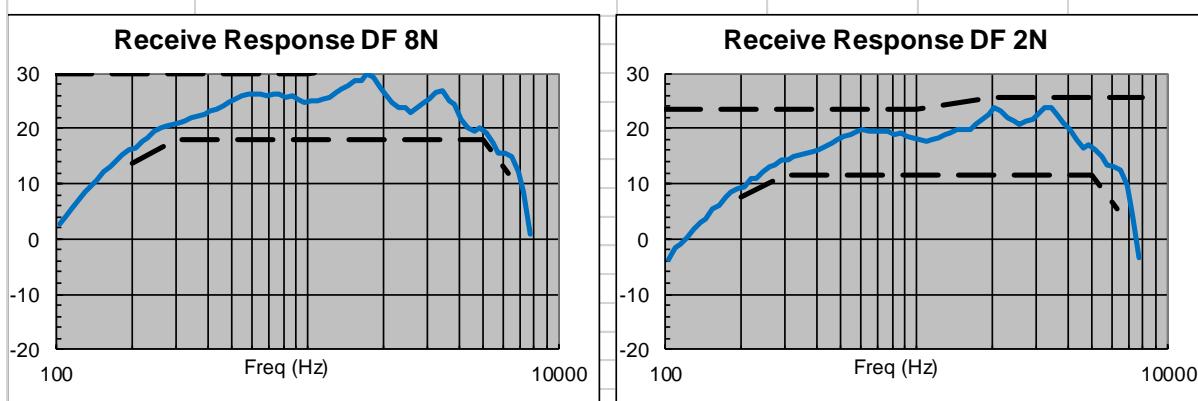
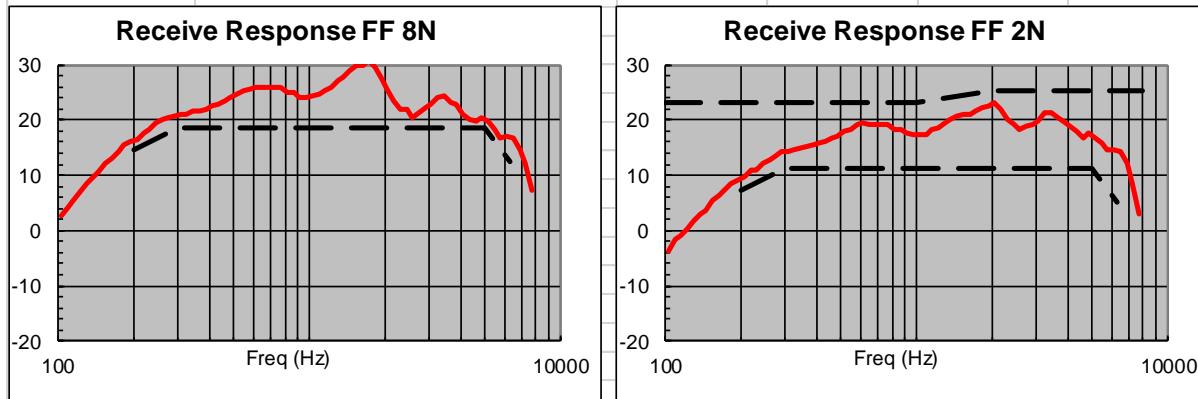
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11b EVS-WB
Bandwidth	Wideband
Test Date:	6/4/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.37 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.6 dB	Floating Limits	PASS	
	Recv resp FF 2N	2.1 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.8 dB	Floating Limits	PASS	



Output

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	95.36 dB	info only		
	Recv conversational gain 8N	25.36 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.6 dB	info only		
	Recv conversational gain 2N	18.6 dB	6.00	PASS	

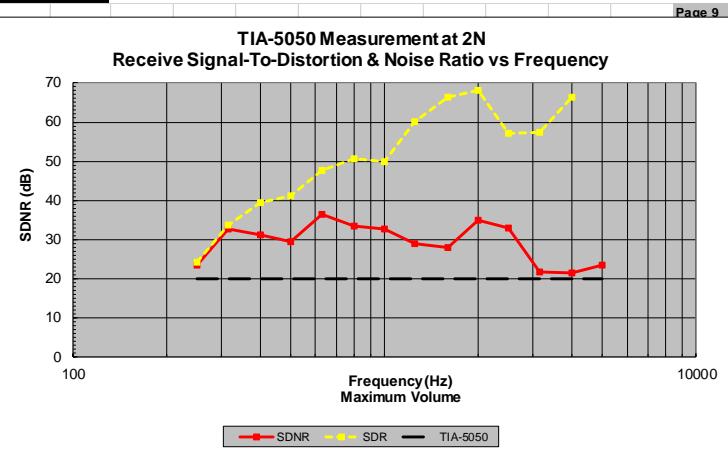
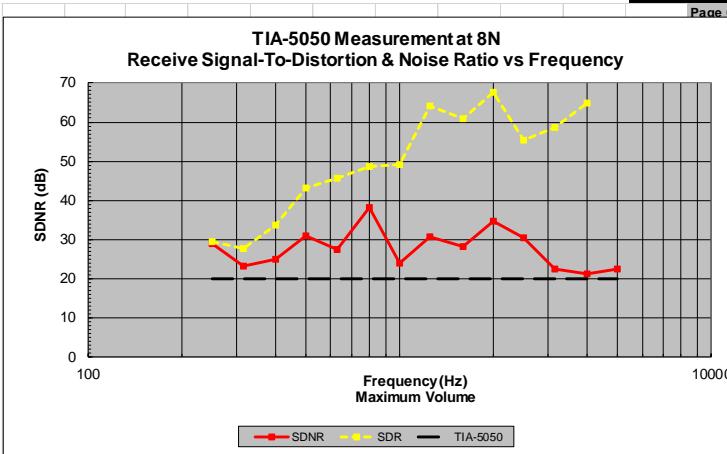
Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.2 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.49 dB	Absolute Limits	PASS	

Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps CCK 11 Mbps Distortion Report

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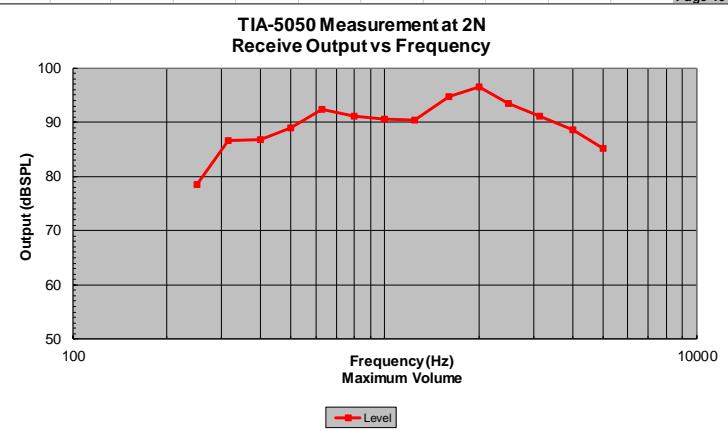
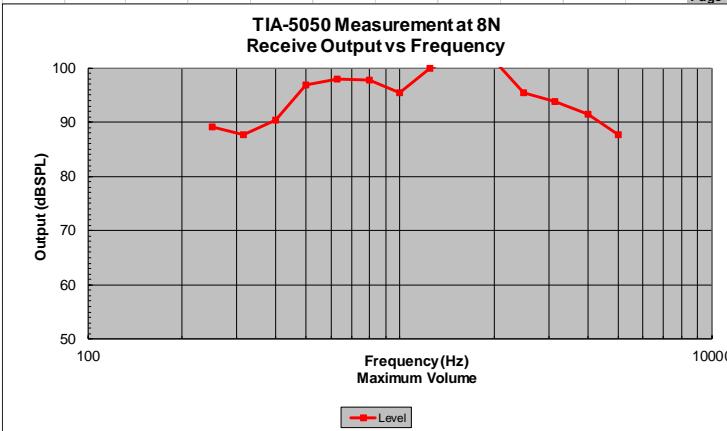


Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	1.2 dB	Absolute Limits	PASS	6/4/2024 19:51
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
Short conditioning -99 dBPa				
Comments:	24.4 kbps			

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	1.49 dB	Absolute Limits	PASS	6/4/2024 19:51
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
Short conditioning -99 dBPa				
Comments:	24.4 kbps			

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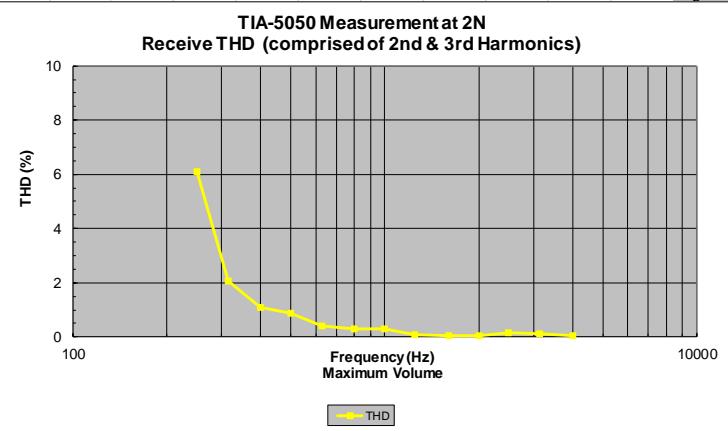
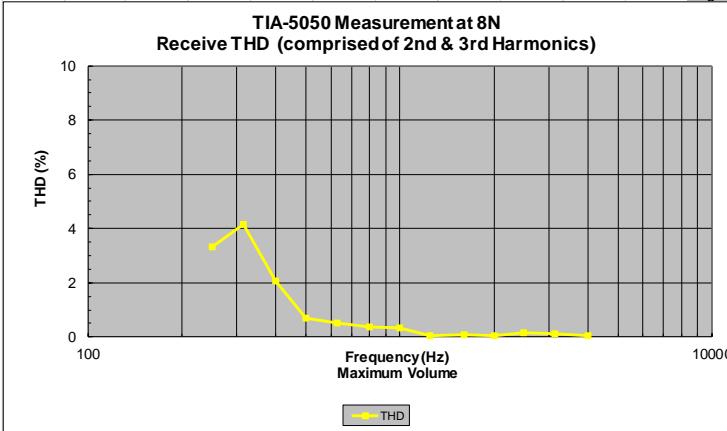


Comments:	24.4 kbps	Test Date
		6/4/2024 19:51
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	24.4 kbps	Test Date
		6/4/2024 19:51
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	24.4 kbps	Test Date
		6/4/2024 19:51
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Comments:	24.4 kbps	Test Date
		6/4/2024 19:51
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

**Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps 64QAM 54 Mbps
Conversational Gain & Frequency Response Report**

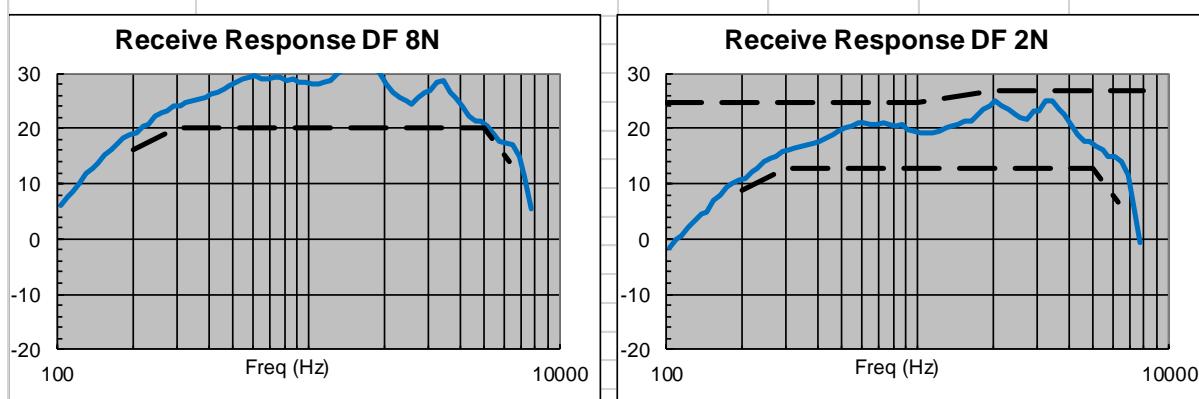
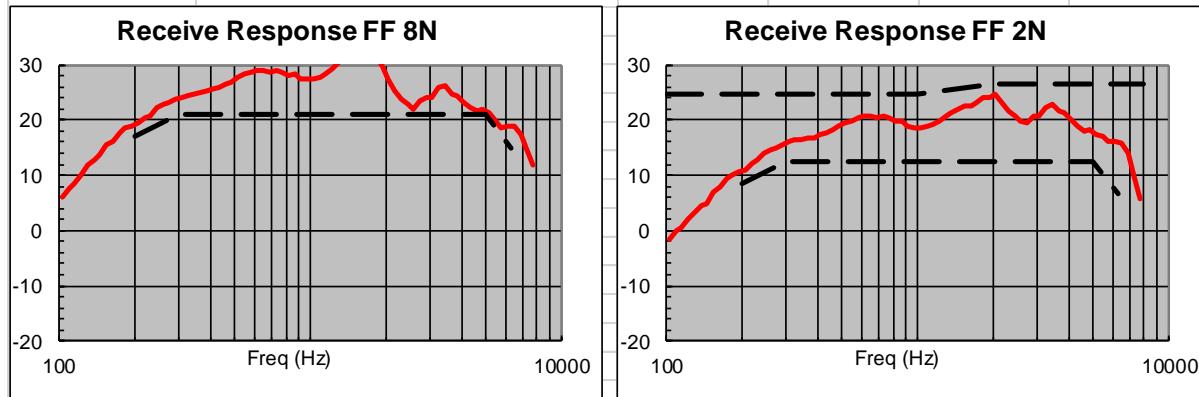
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11g EVS-WB
Bandwidth	Wideband
Test Date:	6/5/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	0.56 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.9 dB	Floating Limits	PASS	
	Recv resp FF 2N	2.01 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.7 dB	Floating Limits	PASS	



Output

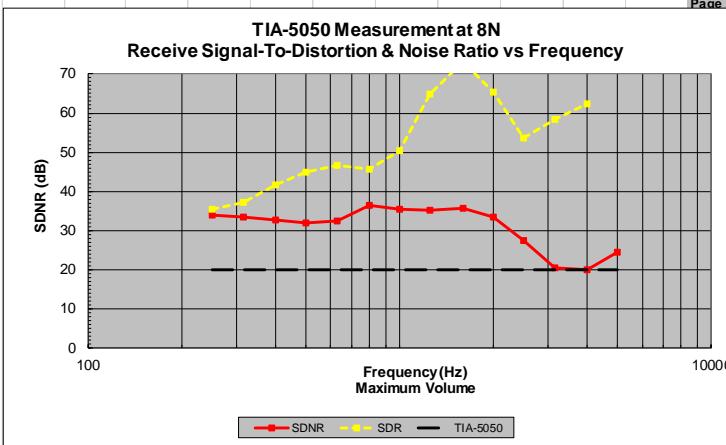
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	98.44 dB	info only		
	Recv conversational gain 8N	28.44 dB	18.00	PASS	
	Recv output level dB SPL 2N	90.02 dB	info only		
	Recv conversational gain 2N	20.02 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.1 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.19 dB	Absolute Limits	PASS	

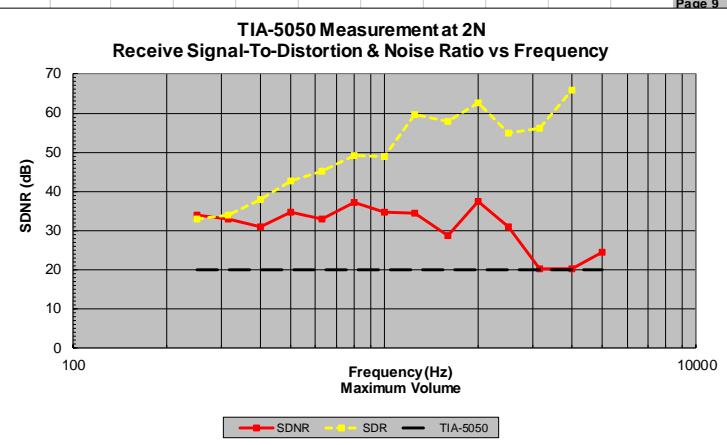
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps 64QAM 54 Mbps Distortion Report

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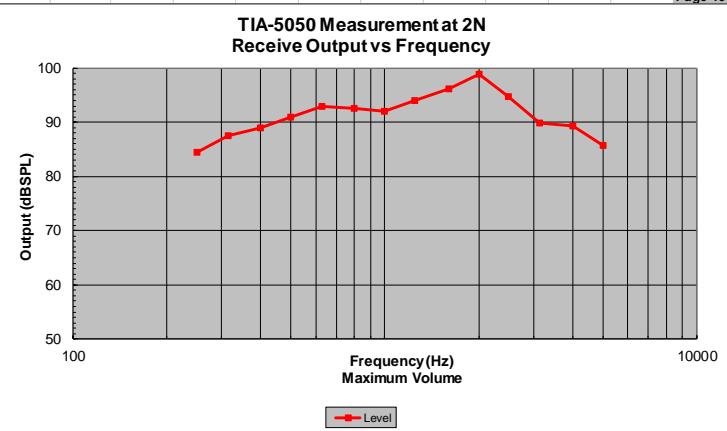
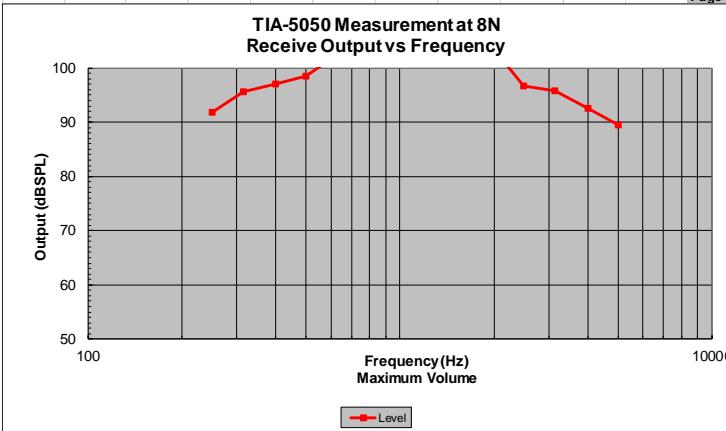
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	0.1 dB	Absolute Limits	PASS	6/5/2024 10:03
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
				Short conditioning -99 dBPa
Comments:	24.4 kbps			

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.19 dB	Absolute Limits	PASS	6/5/2024 10:03
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
				Short conditioning -99 dBPa
Comments:	24.4 kbps			

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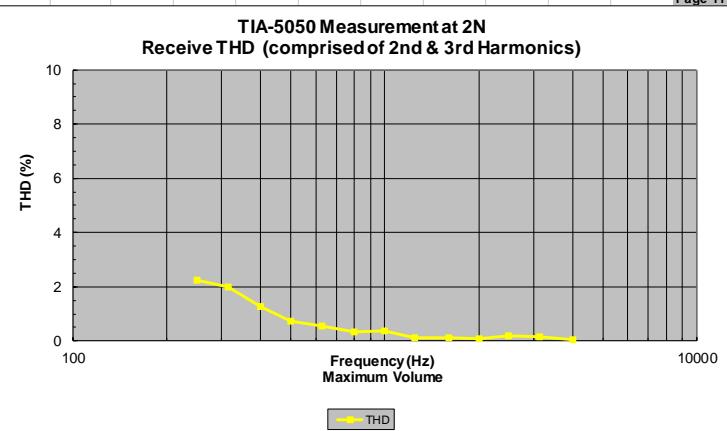
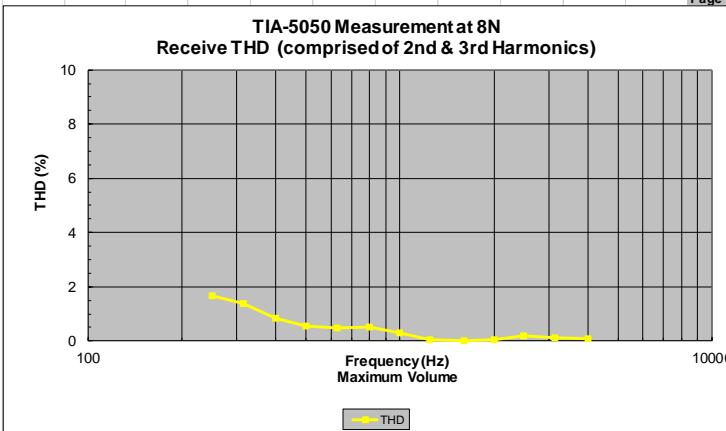


Comments:	24.4 kbps	Test Date
		6/5/2024 10:03
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Page 8

Comments:	24.4 kbps	Test Date
		6/5/2024 10:03
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	24.4 kbps	Test Date
		6/5/2024 10:03
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Comments:	24.4 kbps	Test Date
		6/5/2024 10:03
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS7 65 Mbps
Conversational Gain & Frequency Response Report

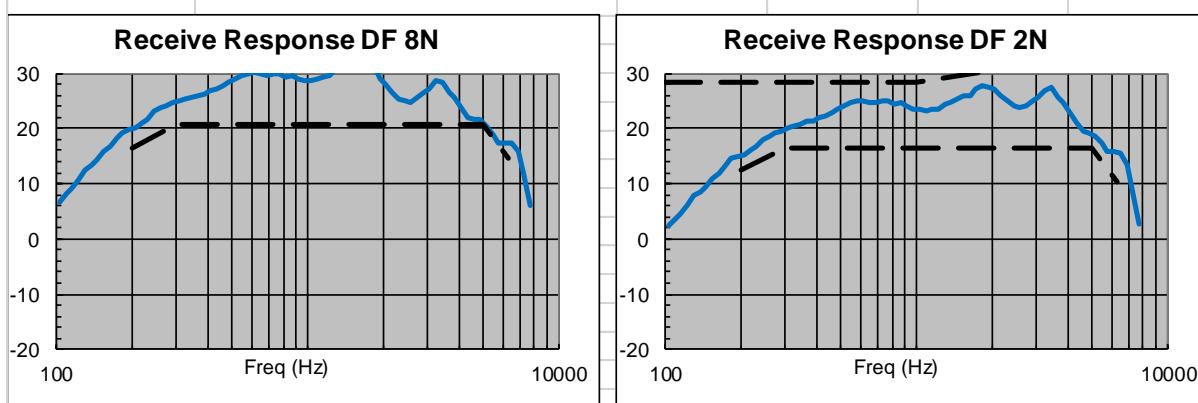
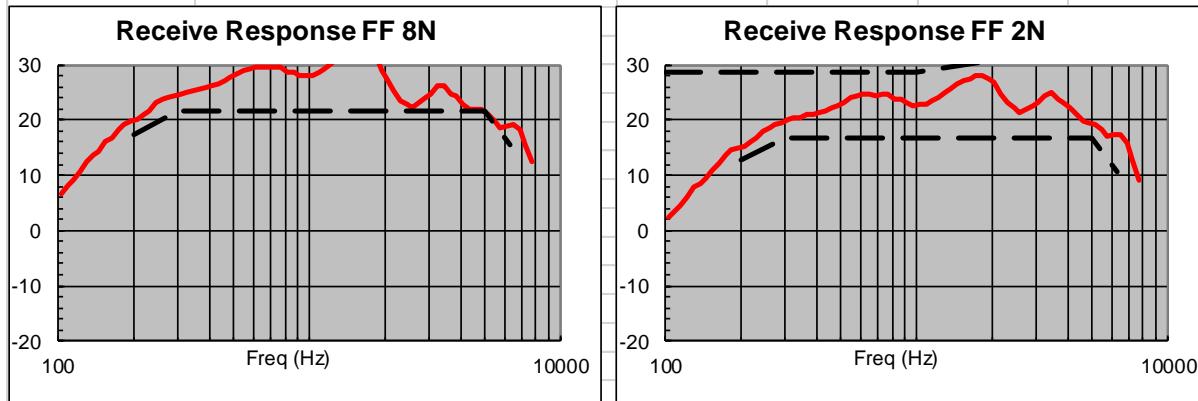
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11n EVS-WB
Bandwidth	Wideband
Test Date:	6/5/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	0.11 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.4 dB	Floating Limits	PASS	
	Recv resp FF 2N	2.27 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.4 dB	Floating Limits	PASS	



Output

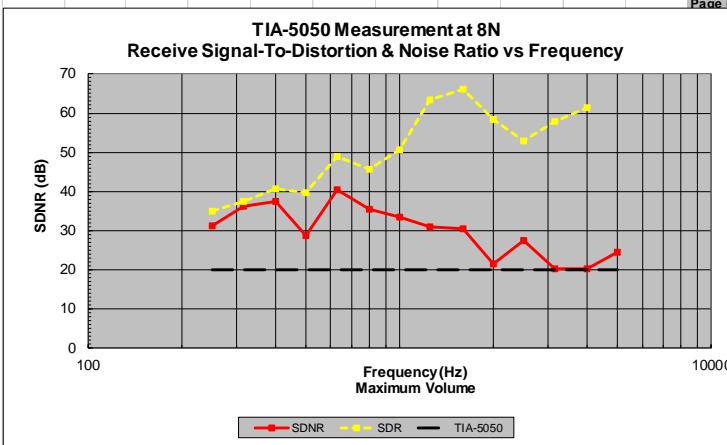
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	99.14 dB	info only		
	Recv conversational gain 8N	29.14 dB	18.00	PASS	
	Recv output level dB SPL 2N	93.99 dB	info only		
	Recv conversational gain 2N	23.99 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.2 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.06 dB	Absolute Limits	PASS	

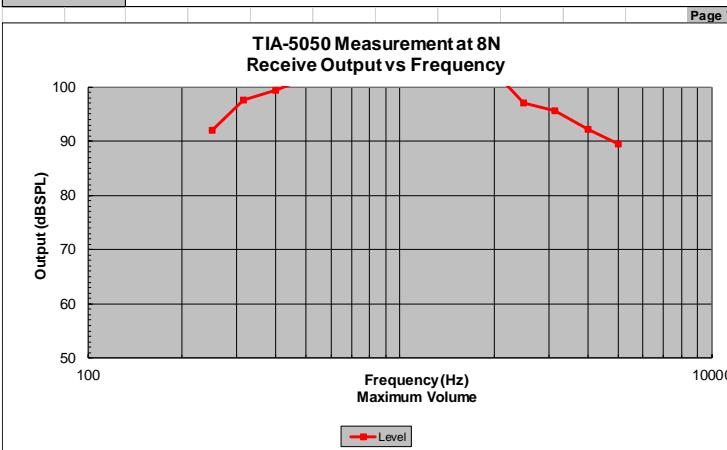
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS7 65 Mbps Distortion Report

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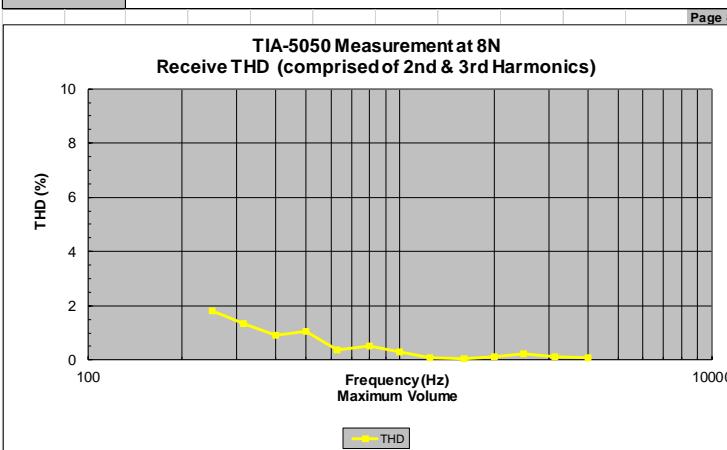
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	0.2 dB	Absolute Limits	PASS	6/5/2024 11:41
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa

Comments: 24.4 kbps



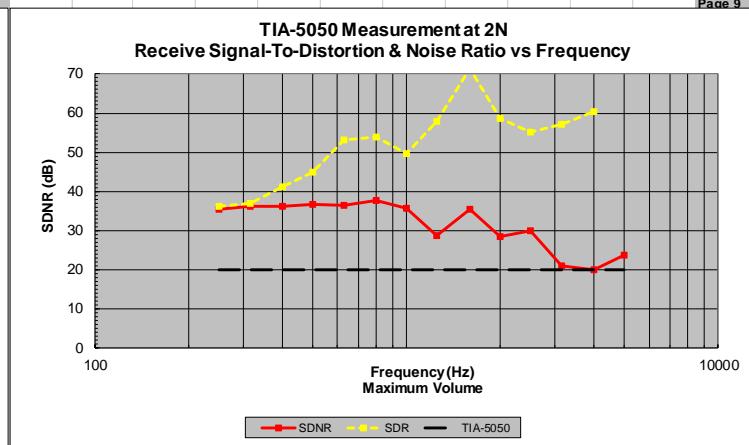
Test Date
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Stimulus level -20 dBPa
Sentence conditioning -20 dBPa

Comments: 24.4 kbps



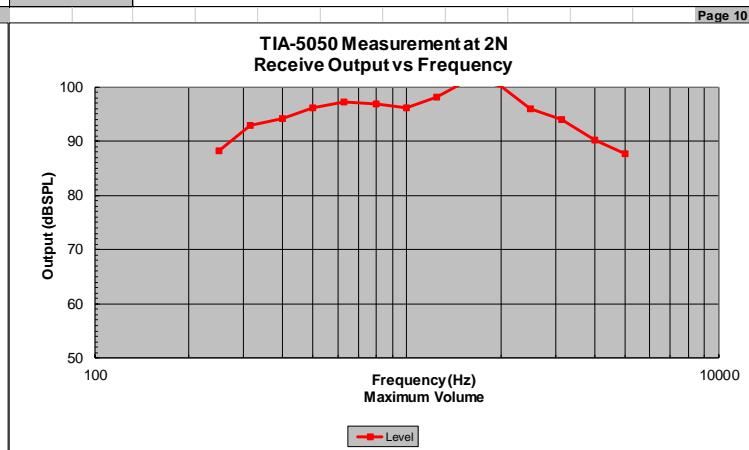
Test Date
6/5/2024 11:41
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa

Comments: 24.4 kbps



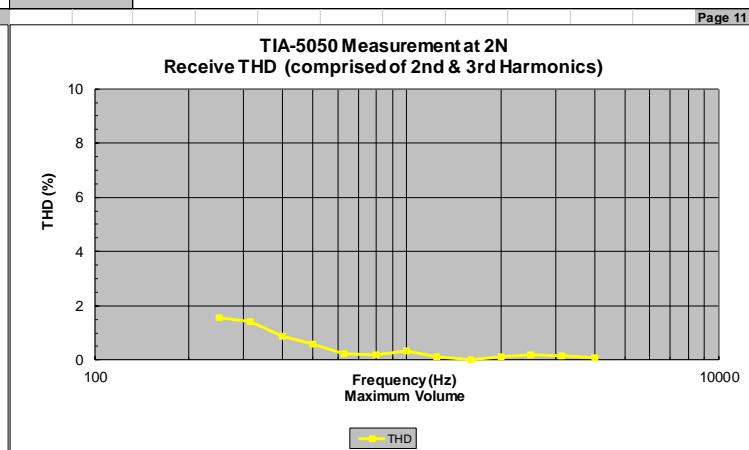
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.06 dB	Absolute Limits	PASS	6/5/2024 11:41
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa

Comments: 24.4 kbps



Test Date
6/5/2024 11:41
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa

Comments: 24.4 kbps



Test Date
6/5/2024 11:41
Stimulus level -20 dBPa
Sentence conditioning -20 dBPa

Comments: 24.4 kbps

Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS9 114.7 Mbps
Conversational Gain & Frequency Response Report

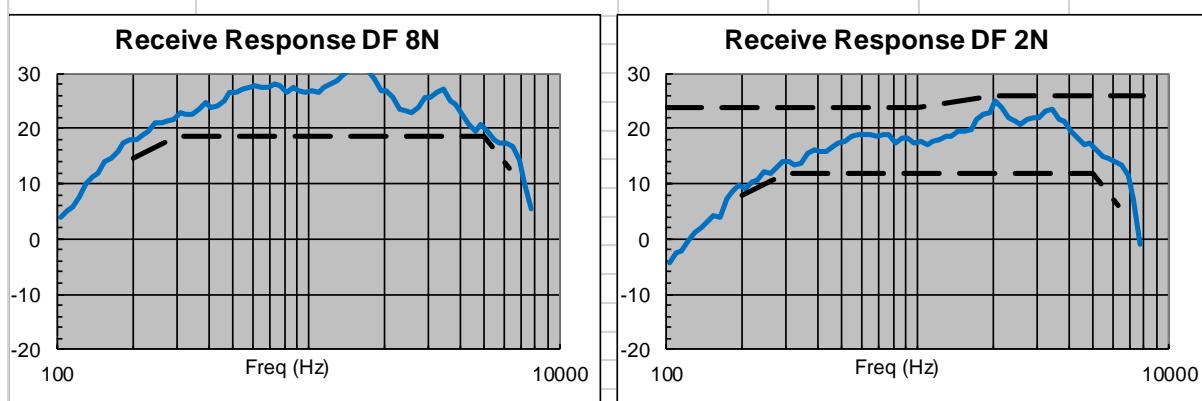
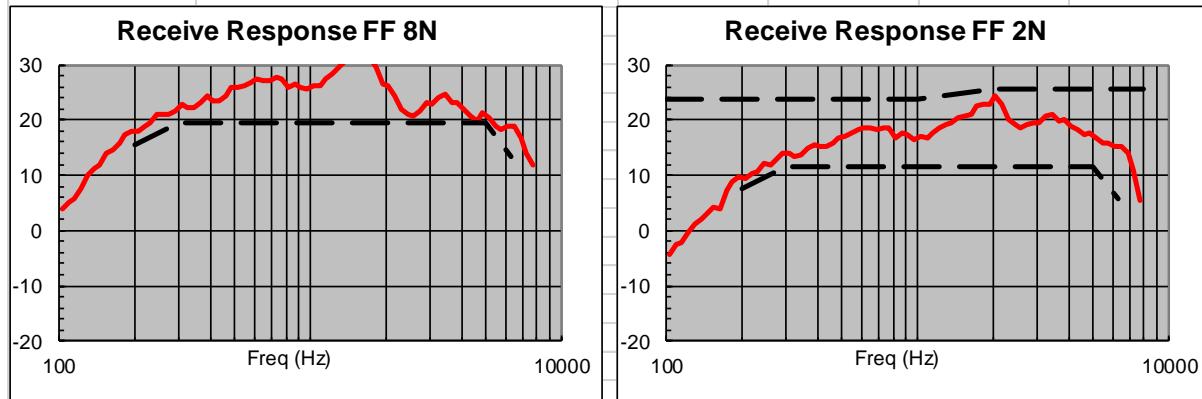
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11ax EVS-WB
Bandwidth	Wideband
Test Date:	6/5/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	0.4 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.9 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.35 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.1 dB	Floating Limits	PASS	



Output

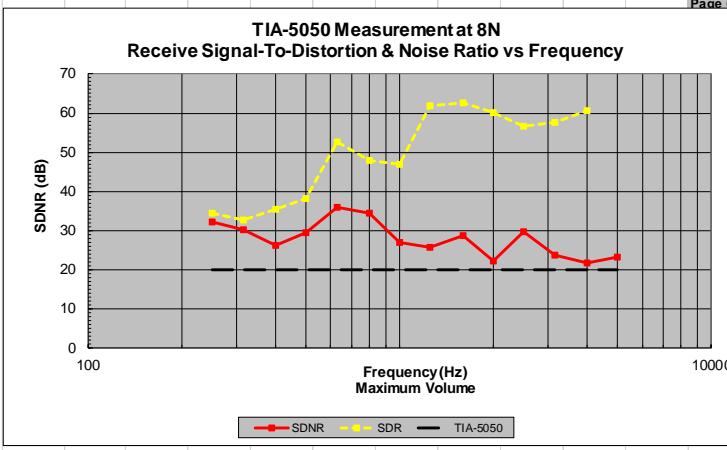
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	96.8 dB	info only		
	Recv conversational gain 8N	26.8 dB	18.00	PASS	
	Recv output level dB SPL 2N	88.11 dB	info only		
	Recv conversational gain 2N	18.11 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	1.7 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.16 dB	Absolute Limits	PASS	

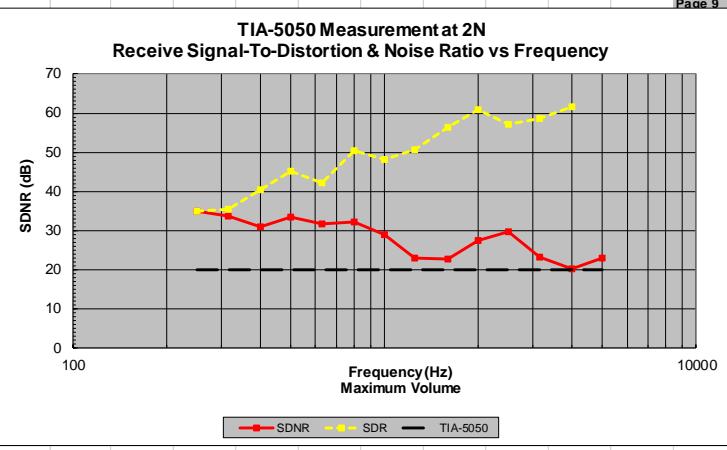
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS9 114.7 Mbps Distortion Report

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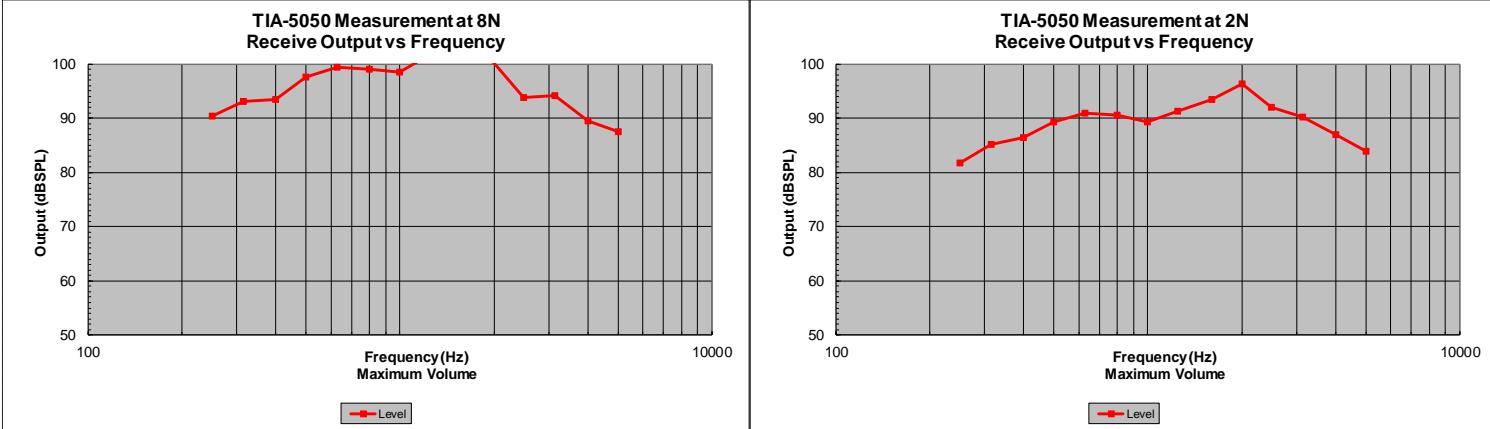


Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	1.7 dB	Absolute Limits	PASS	6/5/2024 16:58
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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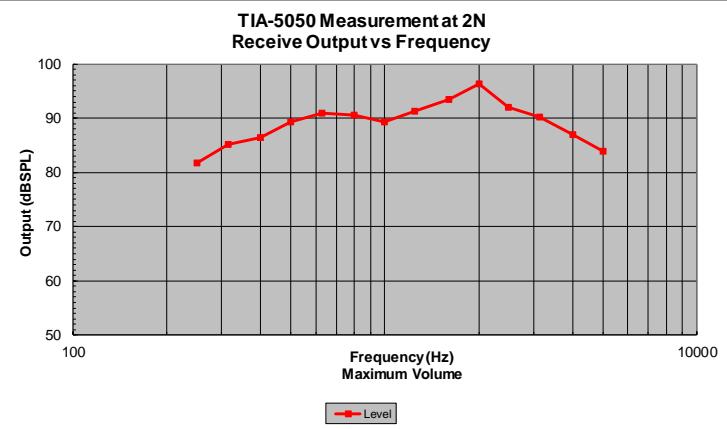


Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.16 dB	Absolute Limits	PASS	6/5/2024 16:58
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

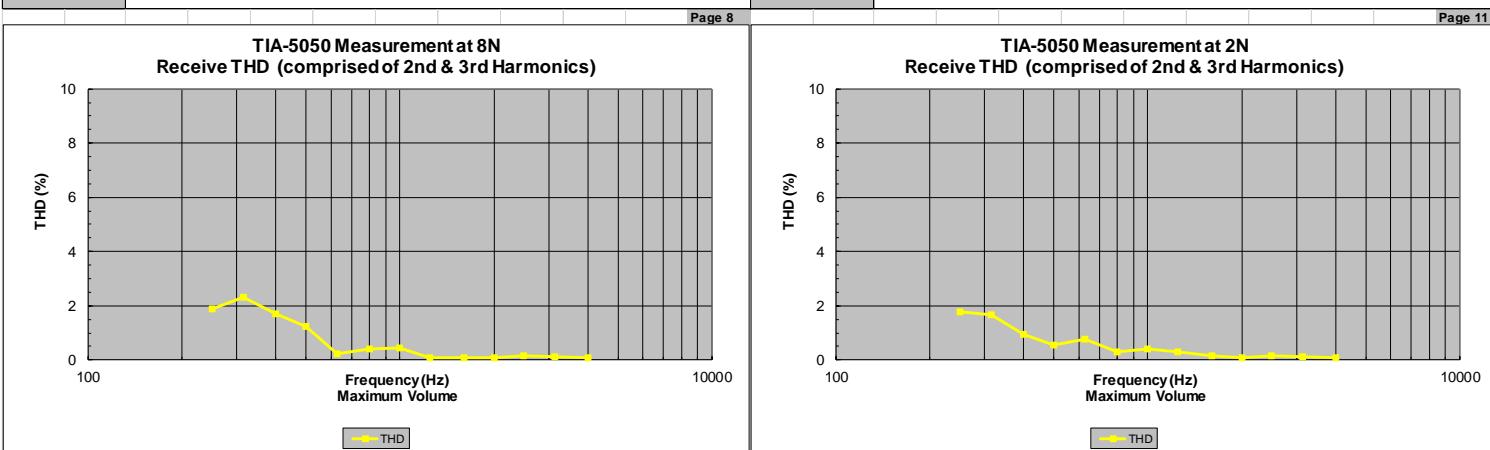


Comments:	24.4 kbps	Test Date	6/5/2024 16:58	Stimulus level	-20 dBPa
				Sentence conditioning	-20 dBPa
				Short conditioning	-99 dBPa

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Comments:	24.4 kbps	Test Date	6/5/2024 16:58	Stimulus level	-20 dBPa
				Sentence conditioning	-20 dBPa
				Short conditioning	-99 dBPa



Comments:	24.4 kbps	Test Date	6/5/2024 16:58	Stimulus level	-20 dBPa
				Sentence conditioning	-20 dBPa
				Short conditioning	-99 dBPa

Comments:	24.4 kbps	Test Date	6/5/2024 16:58	Stimulus level	-20 dBPa
				Sentence conditioning	-20 dBPa
				Short conditioning	-99 dBPa

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**Wi-Fi 5 GHz EVS-WB: 24.4 kbps 64QAM 54 Mbps
Conversational Gain & Frequency Response Report**

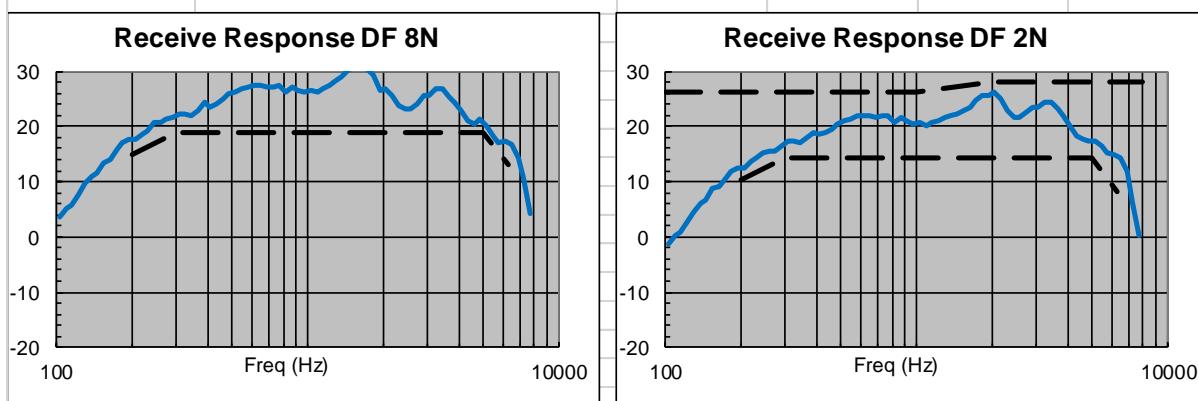
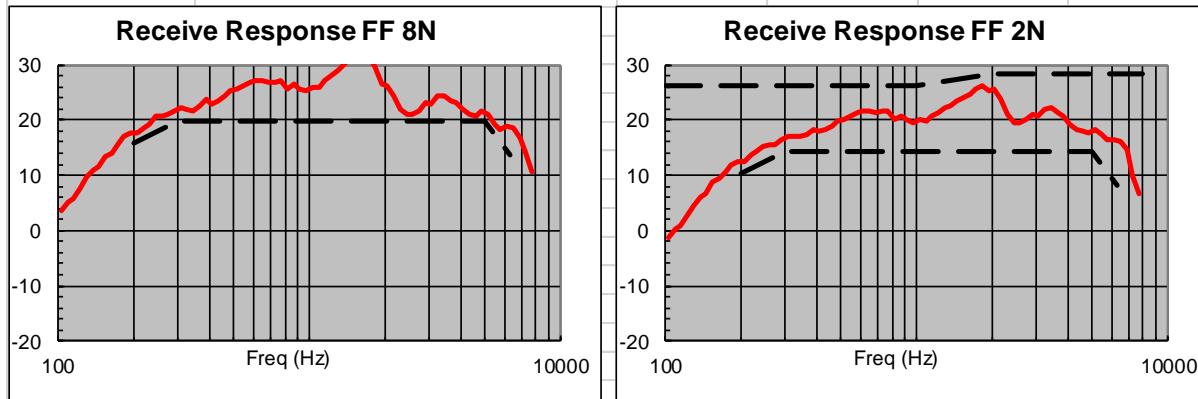
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11a EVS-WB
Bandwidth	Wideband
Test Date:	6/5/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	0.83 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.3 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.94 dB	Floating Limits	PASS	
	Recv resp DF 2N	2 dB	Floating Limits	PASS	



Output

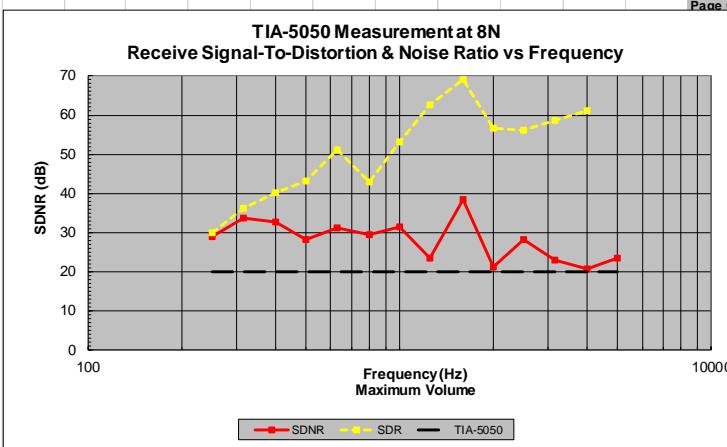
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	96.52 dB	info only		
	Recv conversational gain 8N	26.52 dB	18.00	PASS	
	Recv output level dB SPL 2N	91.02 dB	info only		
	Recv conversational gain 2N	21.02 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.7 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.8 dB	Absolute Limits	PASS	

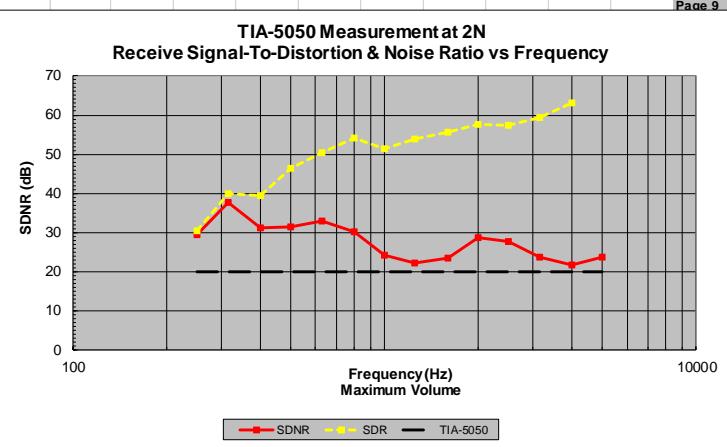
Wi-Fi 5 GHz EVS-WB: 24.4 kbps 64QAM 54 Mbps Distortion Report

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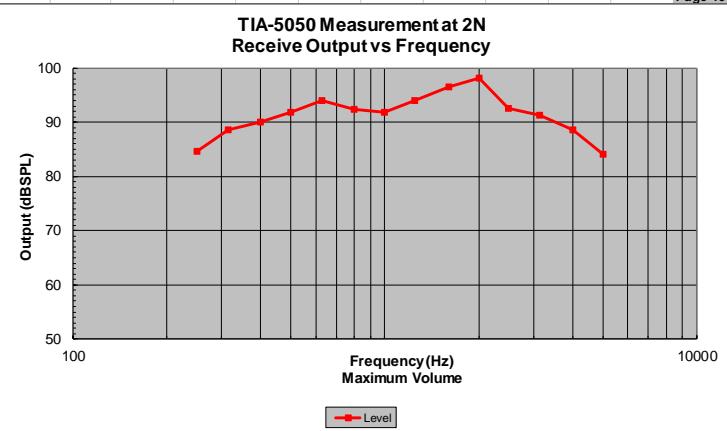
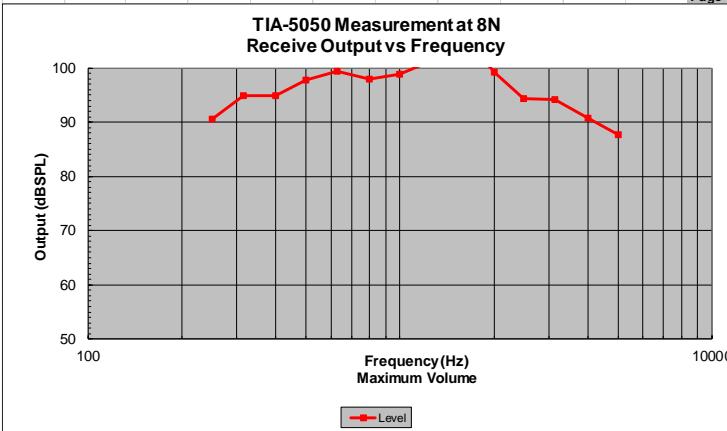
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	0.7 dB	Absolute Limits	PASS	6/5/2024 17:27
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	1.8 dB	Absolute Limits	PASS	6/5/2024 17:27
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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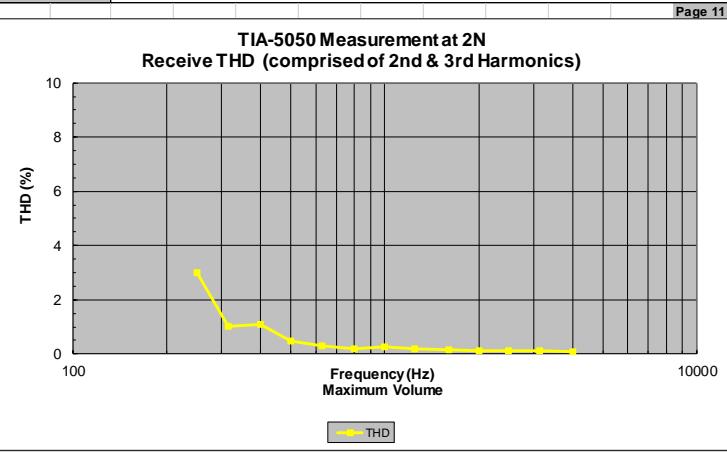
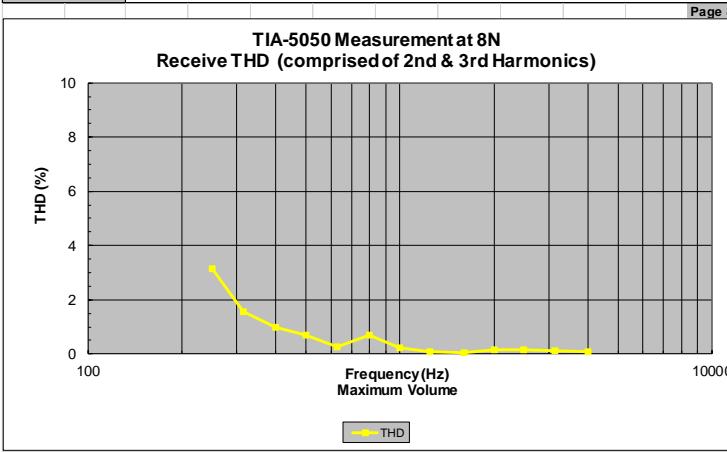


Comments:	24.4 kbps	Test Date
		6/5/2024 17:27
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Page 8

Comments:	24.4 kbps	Test Date
		6/5/2024 17:27
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	24.4 kbps	Test Date
		6/5/2024 17:27
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Comments:	24.4 kbps	Test Date
		6/5/2024 17:27
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS7 135 Mbps
Conversational Gain & Frequency Response Report

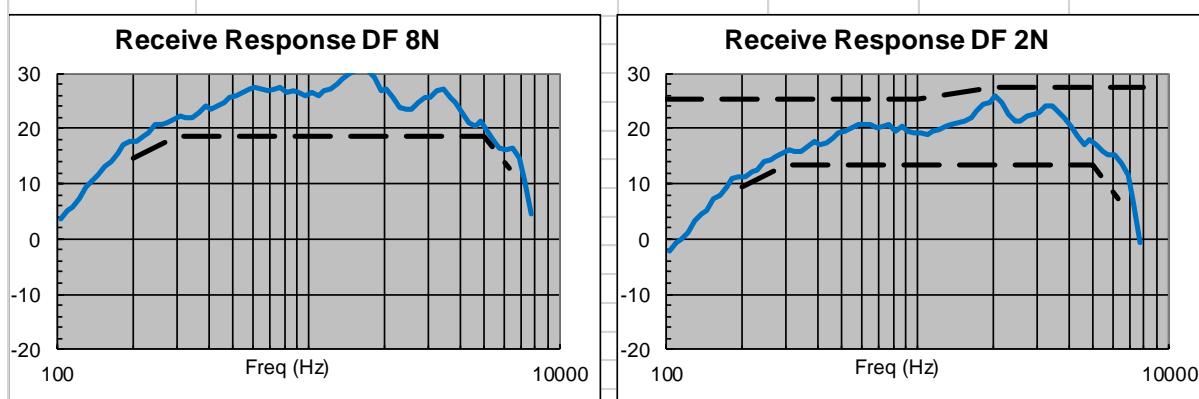
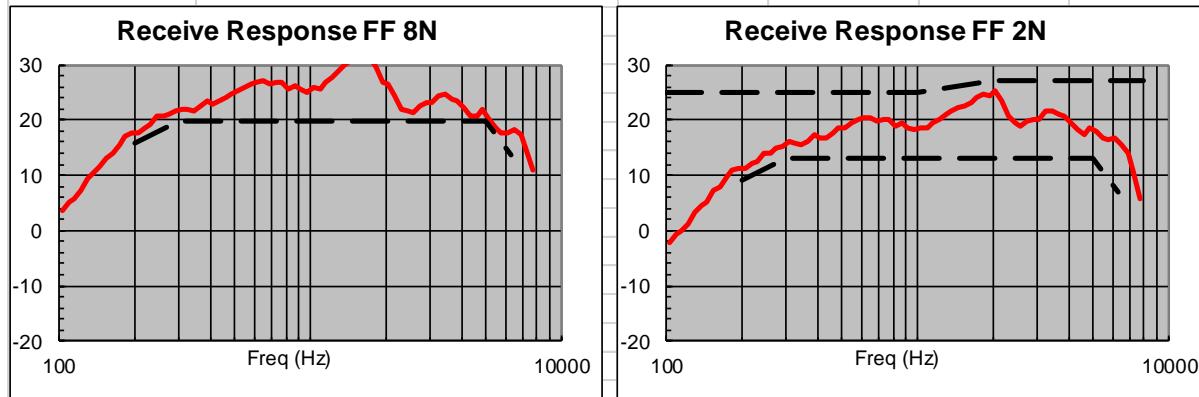
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11n EVS-WB
Bandwidth	Wideband
Test Date:	6/5/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.06 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.3 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.81 dB	Floating Limits	PASS	
	Recv resp DF 2N	1.5 dB	Floating Limits	PASS	



Output

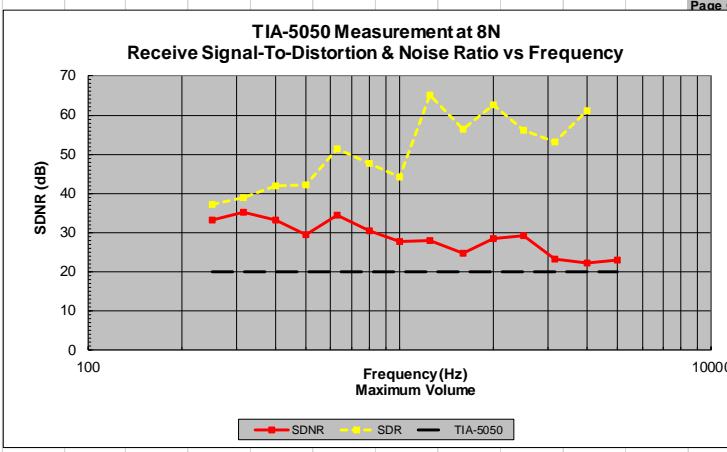
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	96.37 dB	info only		
	Recv conversational gain 8N	26.37 dB	18.00	PASS	
	Recv output level dB SPL 2N	89.76 dB	info only		
	Recv conversational gain 2N	19.76 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	2.1 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	0.73 dB	Absolute Limits	PASS	

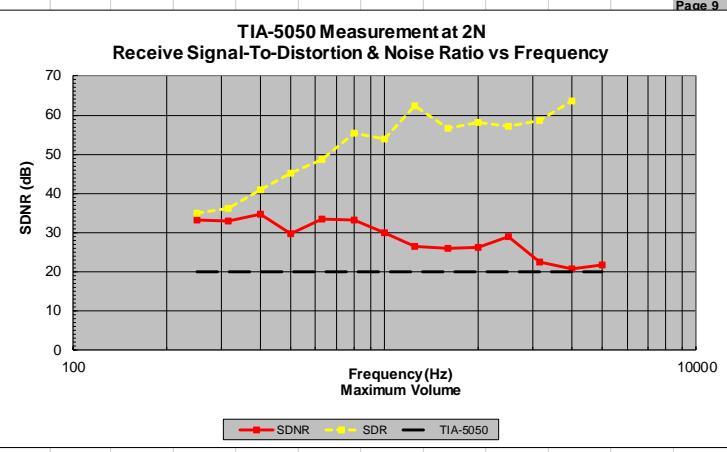
Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS7 135 Mbps Distortion Report

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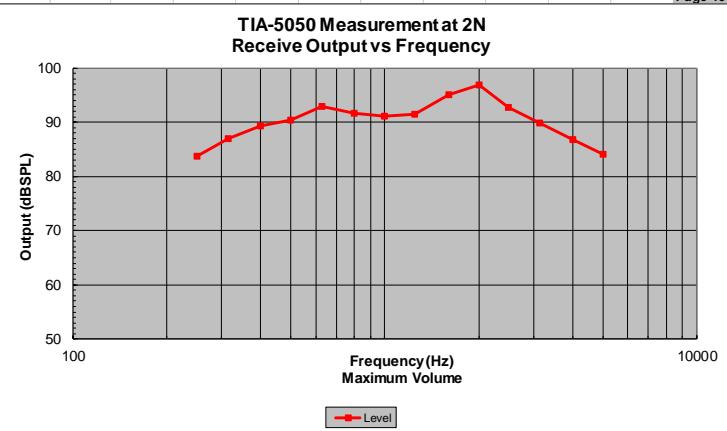
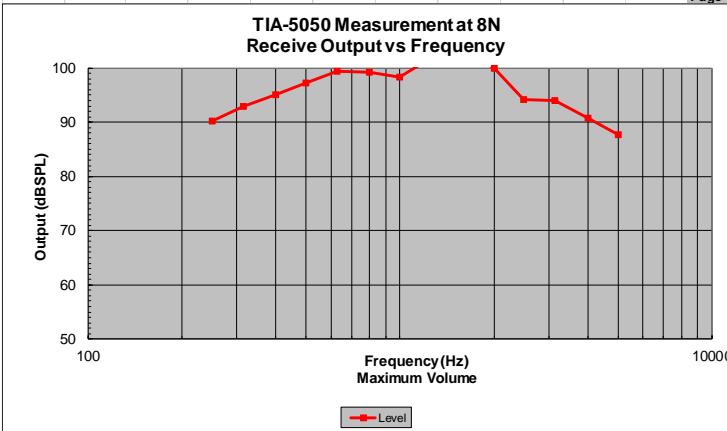
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	2.1 dB	Absolute Limits	PASS	6/5/2024 18:23
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	0.73 dB	Absolute Limits	PASS	6/5/2024 18:23
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

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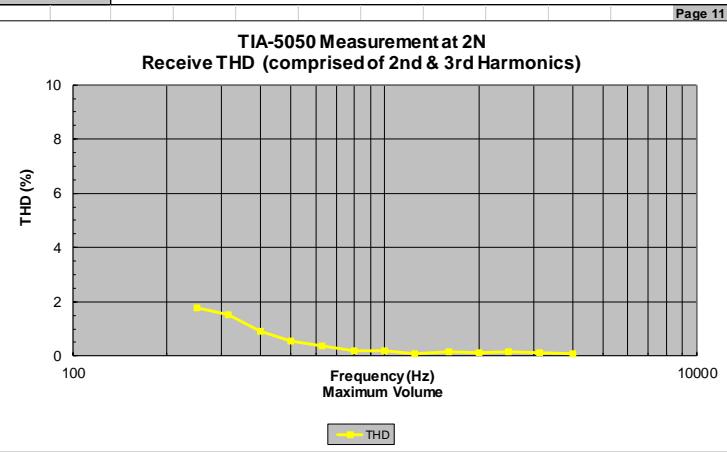
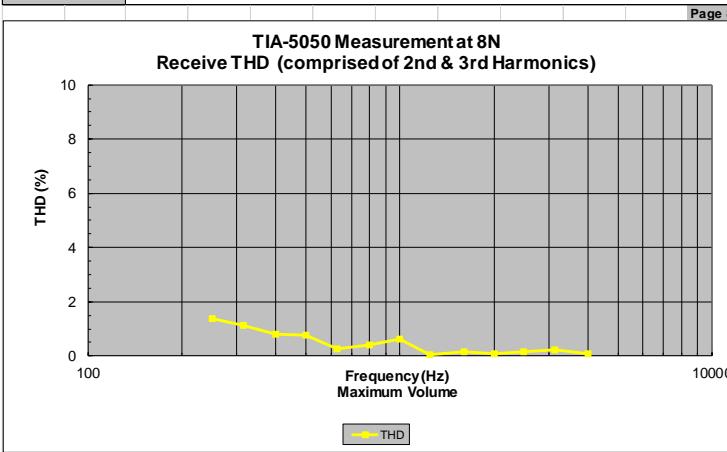


Comments:	24.4 kbps	Test Date
		6/5/2024 18:23
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	24.4 kbps	Test Date
		6/5/2024 18:23
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	24.4 kbps	Test Date
		6/5/2024 18:23
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Comments:	24.4 kbps	Test Date
		6/5/2024 18:23
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS9 390 Mbps
Conversational Gain & Frequency Response Report

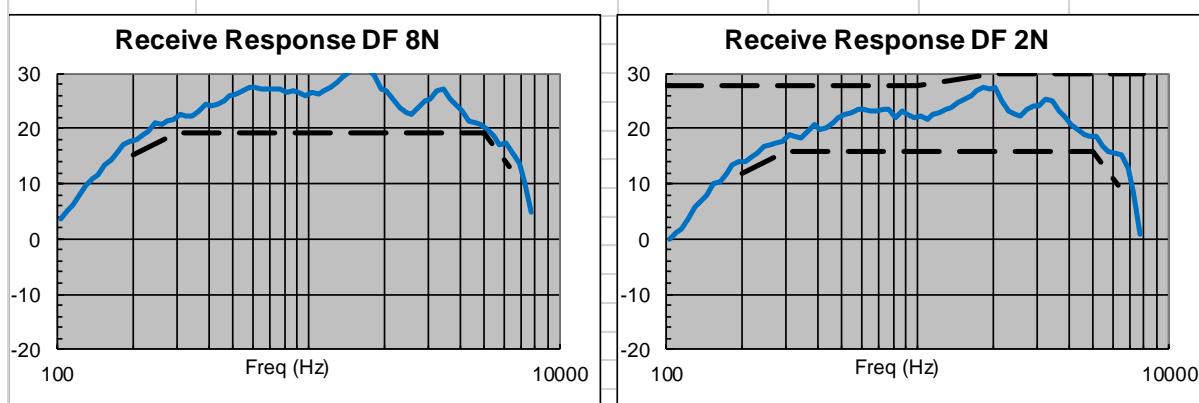
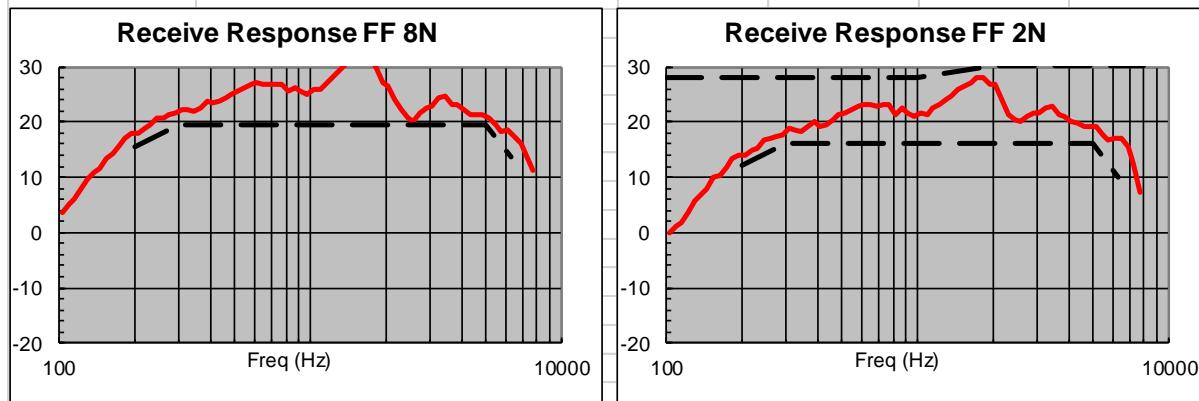
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11ac EVS-WB
Bandwidth	Wideband
Test Date:	6/5/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	0.53 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.3 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.72 dB	Floating Limits	PASS	
	Recv resp DF 2N	2 dB	Floating Limits	PASS	



Output

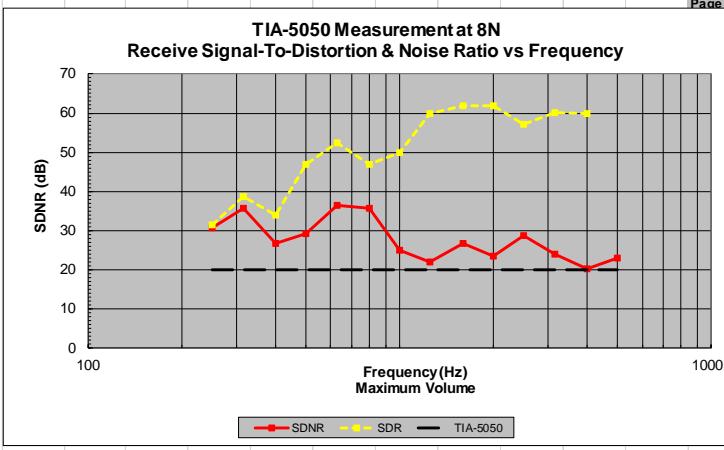
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	96.61 dB	info only		
	Recv conversational gain 8N	26.61 dB	18.00	PASS	
	Recv output level dB SPL 2N	92.59 dB	info only		
	Recv conversational gain 2N	22.59 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.2 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	2 dB	Absolute Limits	PASS	

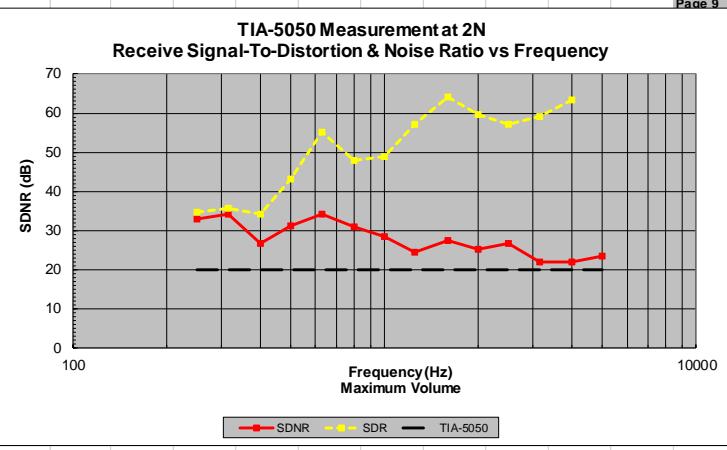
Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS9 390 Mbps Distortion Report

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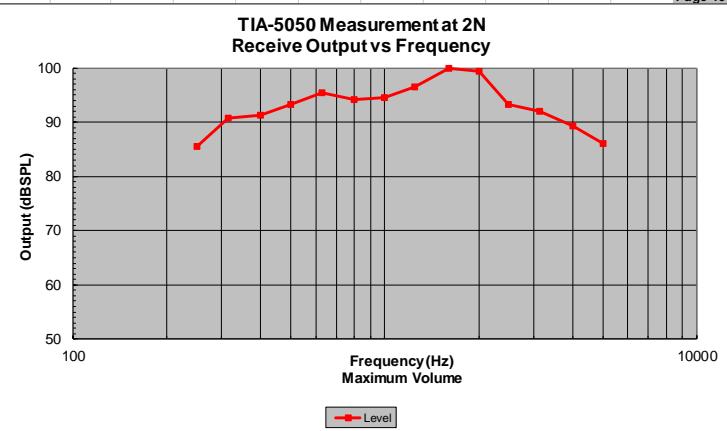
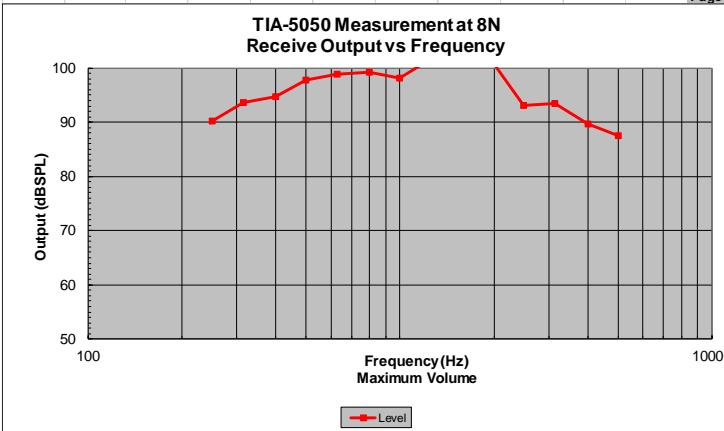
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	0.2 dB	Absolute Limits	PASS	6/5/2024 19:01
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
				Short conditioning -99 dBPa
Comments:	24.4 kbps			

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Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	2 dB	Absolute Limits	PASS	6/5/2024 19:01
Note: SDNR includes noise and distortion products.				Stimulus level -20 dBPa
SDR includes only 2nd and 3rd harmonic distortion.				Sentence conditioning -20 dBPa
				Short conditioning -99 dBPa
Comments:	24.4 kbps			

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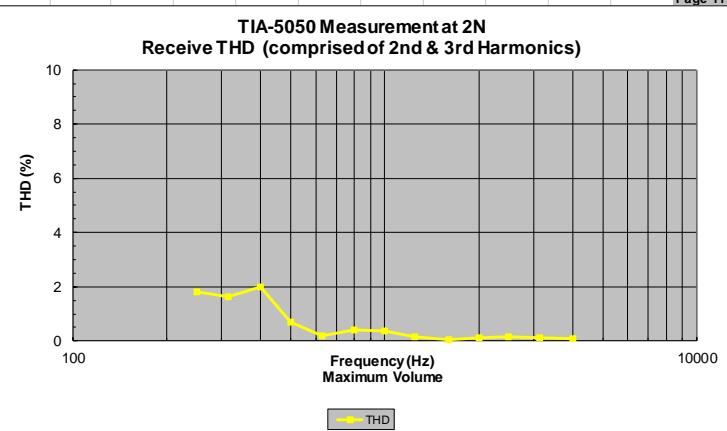
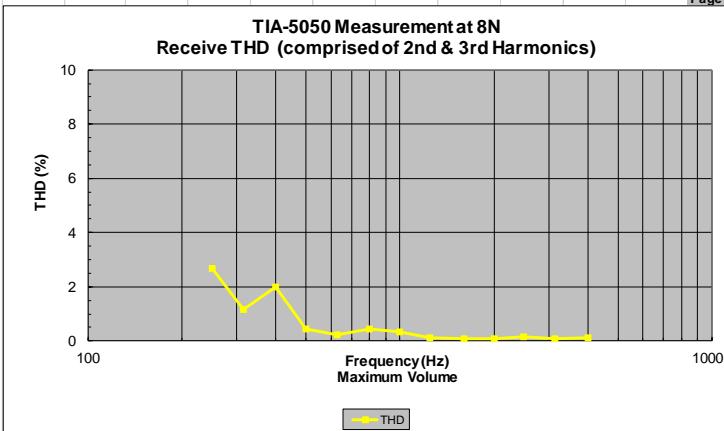


Comments:	24.4 kbps	Test Date
		6/5/2024 19:01
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	24.4 kbps	Test Date
		6/5/2024 19:01
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

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Comments:	24.4 kbps	Test Date
		6/5/2024 19:01
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

Comments:	24.4 kbps	Test Date
		6/5/2024 19:01
		Stimulus level -20 dBPa
		Sentence conditioning -20 dBPa
		Short conditioning -99 dBPa

**Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS11 1201 Mbps
Conversational Gain & Frequency Response Report**

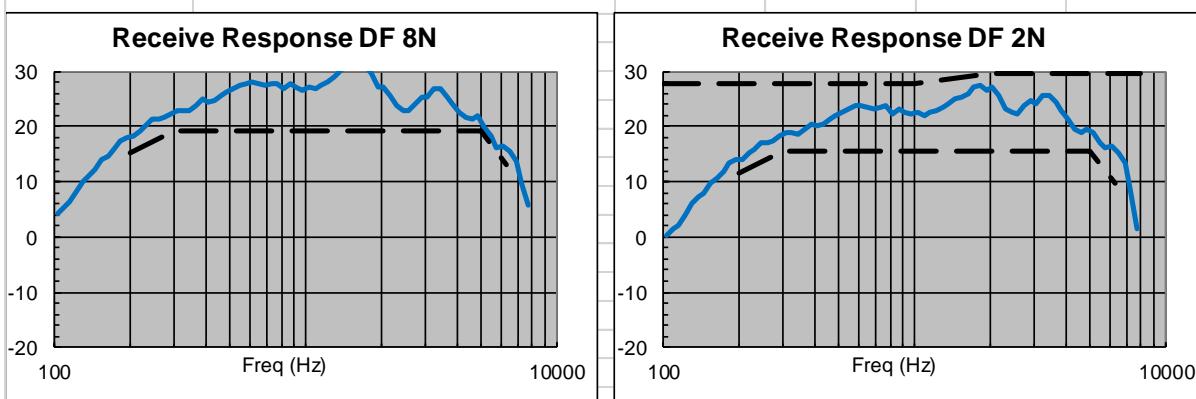
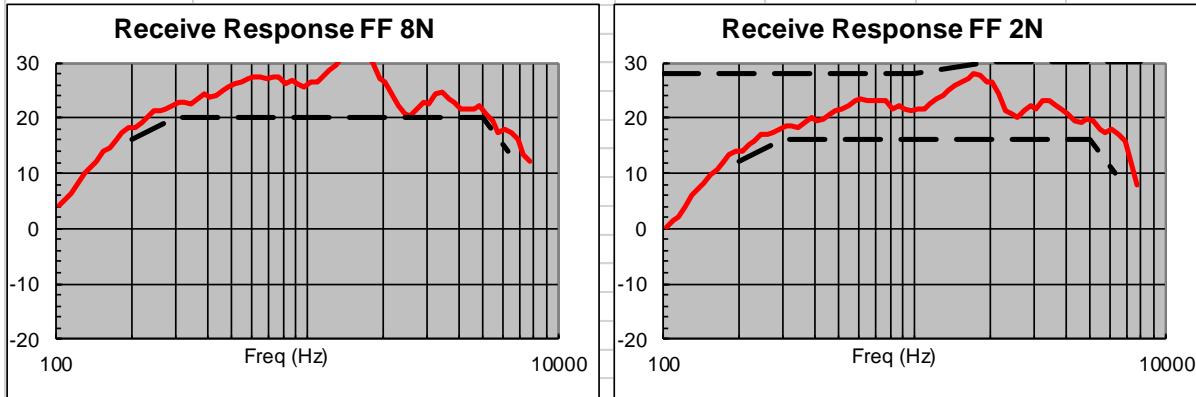
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11ax EVS-WB
Bandwidth	Wideband
Test Date:	6/5/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	0.47 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.8 dB	Floating Limits	PASS	
	Recv resp FF 2N	1.68 dB	Floating Limits	PASS	
	Recv resp DF 2N	2 dB	Floating Limits	PASS	



Output

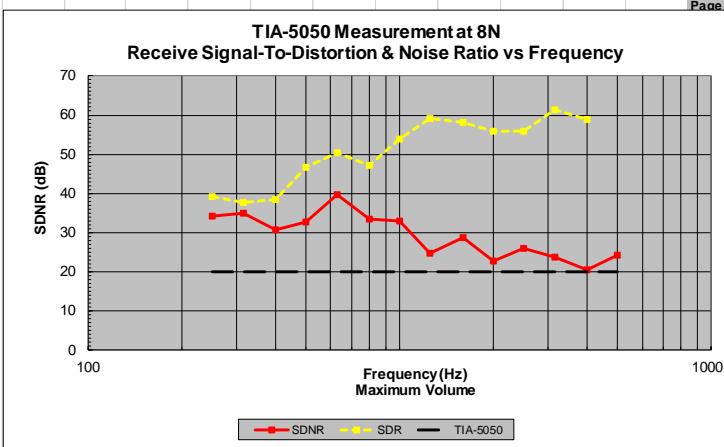
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	97.07 dB	info only		
	Recv conversational gain 8N	27.07 dB	18.00	PASS	
	Recv output level dB SPL 2N	92.72 dB	info only		
	Recv conversational gain 2N	22.72 dB	6.00	PASS	

Distortion

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.4 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.47 dB	Absolute Limits	PASS	

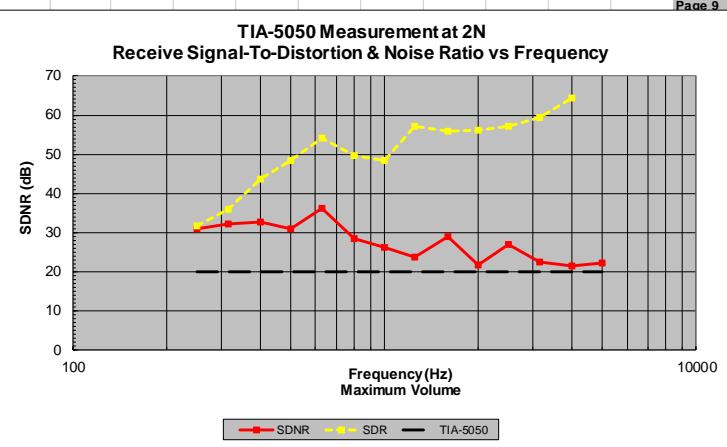
Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS11 1201 Mbps Distortion Report

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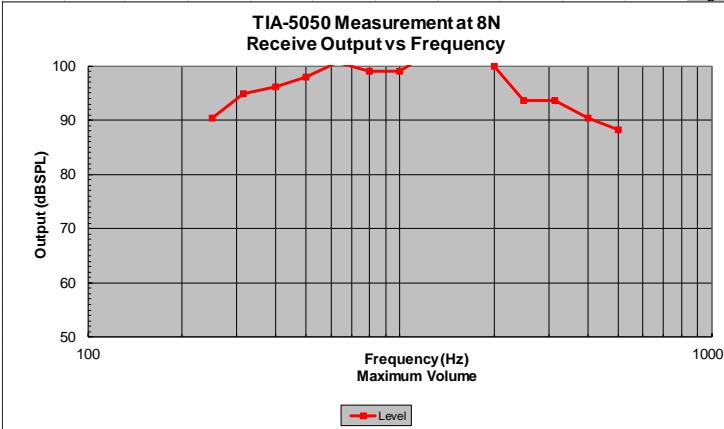
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	0.4 dB	Absolute Limits	PASS	6/5/2024 19:41
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				Stimulus level -20 dBPa Sentence conditioning -20 dBPa Short conditioning -99 dBPa
Comments: 24.4 kbps				

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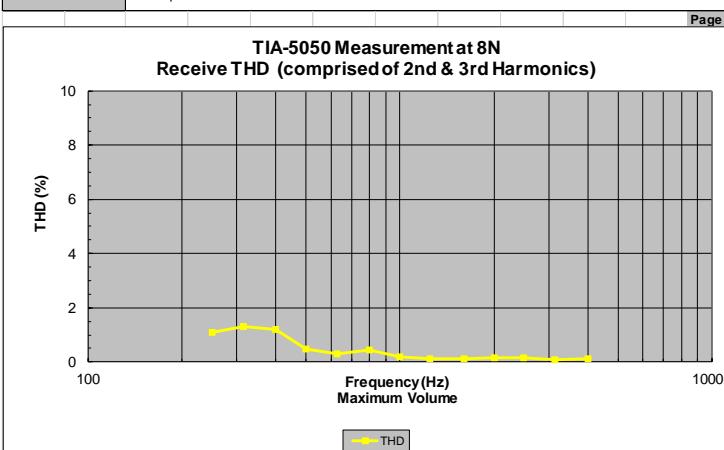
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	1.47 dB	Absolute Limits	PASS	6/5/2024 19:41
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				Stimulus level -20 dBPa Sentence conditioning -20 dBPa Short conditioning -99 dBPa
Comments: 24.4 kbps				

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Test Date	
6/5/2024 19:41	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa

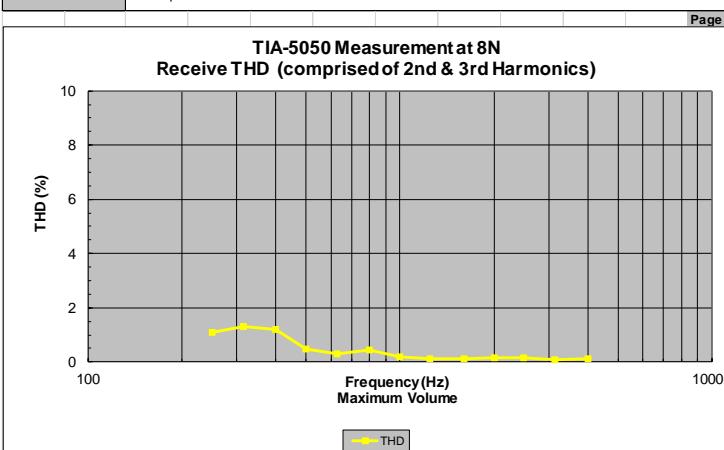
Page 8



Test Date	
6/5/2024 19:41	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa

Comments: 24.4 kbps

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Test Date	
6/5/2024 19:41	
Stimulus level	-20 dBPa
Sentence conditioning	-20 dBPa
Short conditioning	-99 dBPa

Comments: 24.4 kbps

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Comments: 24.4 kbps

Comments: 24.4 kbps

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**Wi-Fi 6 GHz EVS-WB: 24.4 kbps MCS11 143.4 Mbps
Conversational Gain & Frequency Response Report**

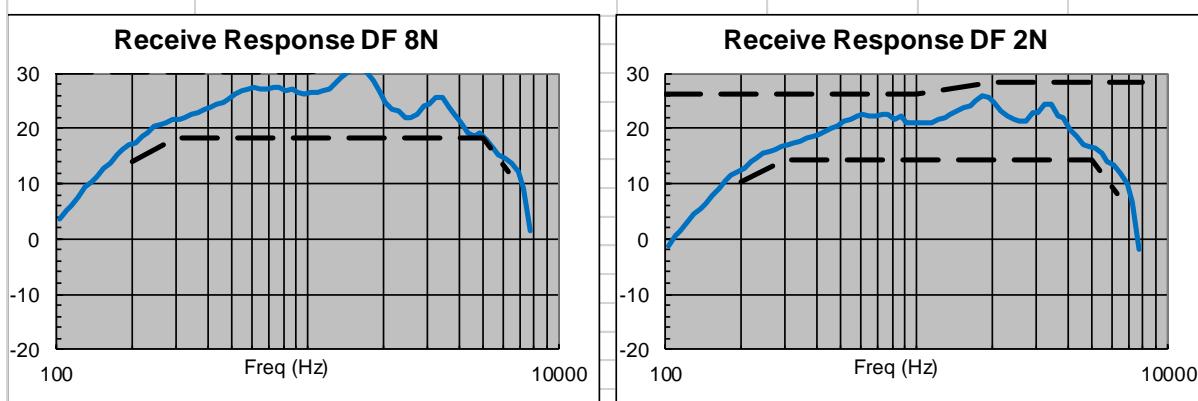
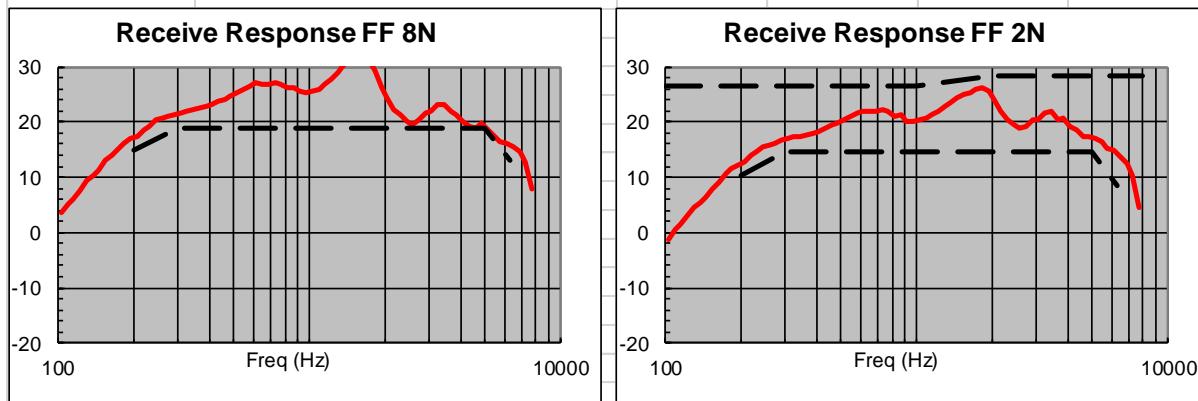
TIA-5050 Receive Volume Control Measurements

Page 1

Device Under Test:	802.11ax UNII5 EVS-WB
Bandwidth	Wideband
Test Date:	6/7/2024

Frequency Response

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	0.03 dB	Floating Limits	PASS	
	Recv resp DF 8N	0.4 dB	Floating Limits	PASS	
	Recv resp FF 2N	2 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.2 dB	Floating Limits	PASS	



Output

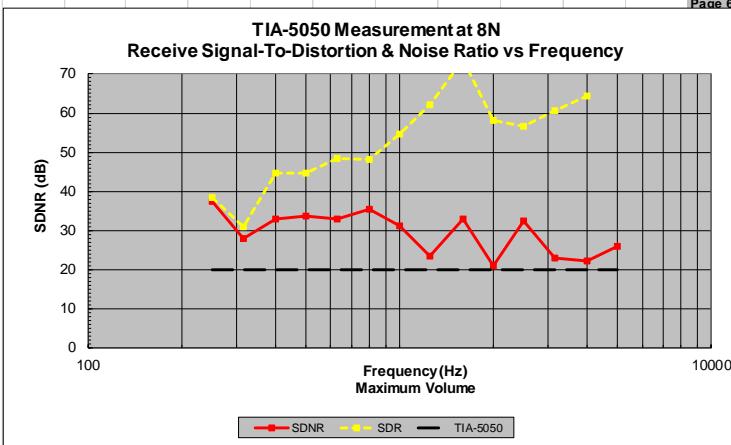
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dB SPL 8N	96.42 dB	info only		
	Recv conversational gain 8N	26.42 dB	18.00	PASS	
	Recv output level dB SPL 2N	91.38 dB	info only		
	Recv conversational gain 2N	21.38 dB	6.00	PASS	

Distortion

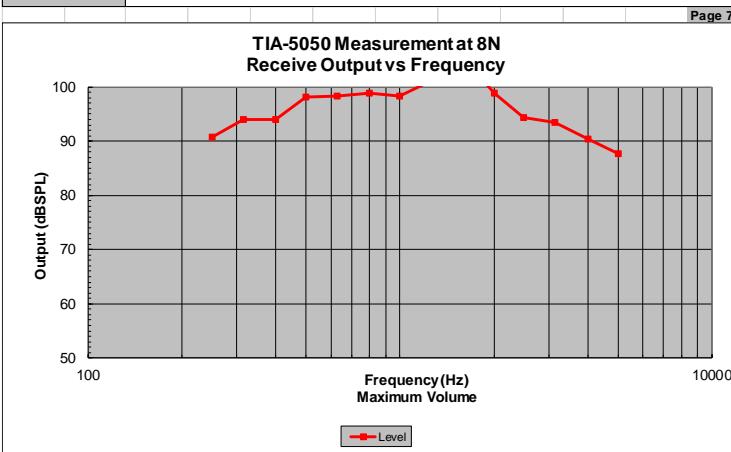
TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.9 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	2.15 dB	Absolute Limits	PASS	

Wi-Fi 6 GHz EVS-WB: 24.4 kbps MCS11 143.4 Mbps Distortion Report

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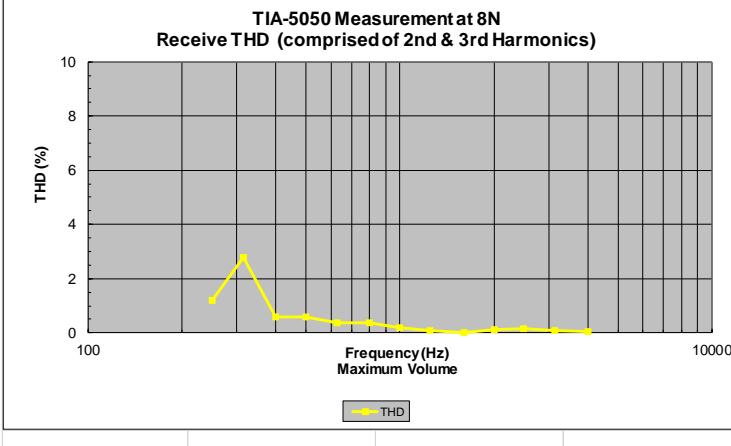


Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 8N	0.9 dB	Absolute Limits	PASS	6/7/2024 2:41
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				



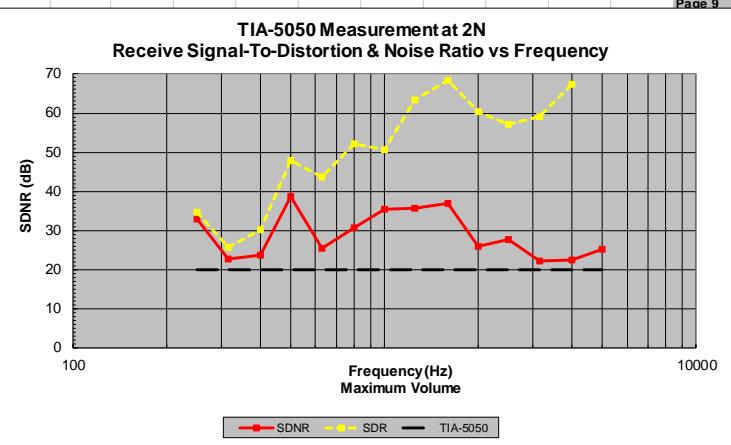
Test Date
6/7/2024 2:41
Stimulus level
-20 dBPa
Sentence conditioning
-20 dBPa
Short conditioning
-99 dBPa

Comments: 24.4 kbps



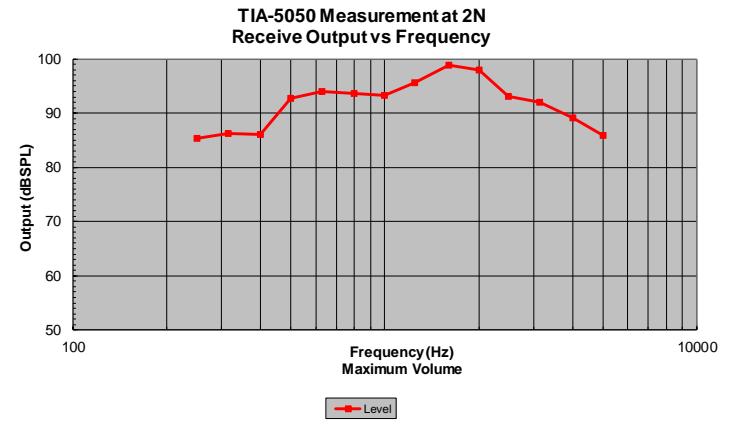
Test Date
6/7/2024 2:41
Stimulus level
-20 dBPa

Comments: 24.4 kbps



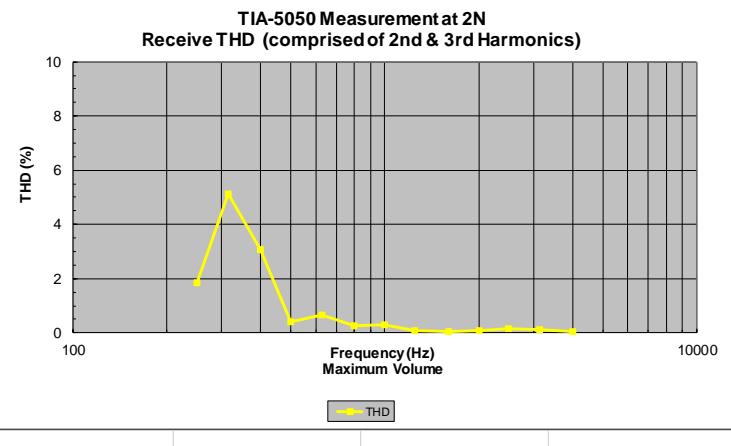
Test	Margin	Limits	Result	Test Date
Recv PN-SDNR 2N	2.15 dB	Absolute Limits	PASS	6/7/2024 2:41
Note: SDNR includes noise and distortion products. SDR includes only 2nd and 3rd harmonic distortion.				
Comments: 24.4 kbps				

Comments: 24.4 kbps



Test Date
6/7/2024 2:41
Stimulus level
-20 dBPa
Sentence conditioning
-20 dBPa
Short conditioning
-99 dBPa

Comments: 24.4 kbps



Test Date
6/7/2024 2:41
Stimulus level
-20 dBPa

Comments: 24.4 kbps